

EPA Reg. Jacket 62719-693

Material Sent for Data Extraction

Reg. # 62719-693

Description: Accepted MFA-PRV-93-10

☒ Material(s) Sent to Data Extraction Contractors:

☐ New Stamped Label Dated _____

☒ Notification Dated 12.4.17

☒ New CSF(s) Dated Basic 12-4-17

☐ Other: _____

☒ Decision #: 537135

☐ Other Action/Comments: _____

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer: Alganesh Debesai

Phone: 308-8353 Division: RD

Date: 3.20.18



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 20, 2018

Jim Baxter
Regulatory Leader- Regulatory Affairs
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

Subject: Minor Formulation Amendment per PRN 98-10
Product Name: Resicore
EPA Registration Number: 62719-693
Application Date: 12/4/2017
Decision Number: 537135

Dear Mr. Baxter:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 12/4/2017 for **EPA Registration 62719-693**. The Registration Division (RD) has conducted a review of the Confidential Statement of Formula (CSF) submitted with this request for its applicability under PRN 98-10 and finds that the change(s) requested falls within the scope of PRN 98-10. Therefore, revised Basic CSF dated 12/4/2017 **is acceptable**. A copy of the CSF has been added to the registration file for the subject product.

Please note that the record for this product currently contains the following CSFs:

- Basic CSF dated 12/4/2017

Any CSFs other than those listed above are superseded/no longer valid. If you have any questions, please contact me via telephone at 703-308-8353 or e-mail (debesai.alganesh@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "Alganesh Debesai". The signature is written in a cursive, flowing style.

Alganesh Debesai.
Chemistry, Inerts and Toxicology Assessment Branch
Registration Division (7505P)
Office of Chemical Safety and Pollution Prevention
Office of Pesticide Programs



Dow AgroSciences

MFA
Due 1/18/18

Dow AgroSciences
9330 Zionsville Road Indianapolis IN 46268 USA

www.dowagro.com

308/2E
December 4, 2017

Document Processing Desk (ESUB)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

RESICORE (AI: ACETOCHLOR + MESOTRIONE + CLOPYRALID)
EPA REGISTRATION NUMBER: 62719-693
NOTIFICATION OF MINOR CONFIDENTIAL STATEMENT OF FORMULA CHANGE PER PR NOTICE 98-10

Enclosed is Confidential Statement of Formula (CSF) for Resicore®. This Basic CSF dated December 4, 2017 is to replace the EPA accepted CSF dated January 16, 2017.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Contents of Submission – sent electronically via EPA Portal (e-PRISM.xml):

- Transmittal document (this letter)
- Application for Pesticide, EPA Form 8570-1
- Confidential Statement of Formula (Basic) entitled Resicore dated December 4, 2017 (4 Pages) (PDF)

Please send EPA PRIA confirmation to PRIAtrack@dow.com. If you require additional information, please contact Kim Williamson, Registration Assistant for this product, at 317-337-4657(kmwilliamson@dow.com).

Sincerely,

Jim Baxter
Regulatory Leader – Regulatory Affairs
317-337-4388
jpbaxter@dow.com



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number Dow AgroSciences/62719-693	2. EPA Product Manager Reuben Baris (7505P)	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Dow AgroSciences/ Resicore	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Proposed Confidential Statement of Formula (CSF) for Resicore®. This Basic CSF dated December 4, 2017 is to replace the EPA accepted CSF dated January 16, 2017. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Jim Baxter		Title Regulatory Manager	
		Telephone No. (Include Area Code) (317) 337-4388 (fax: 317-337-4649)	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)
2. Signature 		3. Title Regulatory Manager	
4. Typed Name Jim Baxter		5. Date December 4, 2017	



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460**

**OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION**

May 24, 2017

Jim Baxter
Regulatory Manager
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

Subject: Label Amendment – Updated Sweet Corn and Cotton in Rotational Crop Table
Product Name: Resicore
EPA Registration Number: 62719-693
Application Date: 2/14/2017
Decision Number: 527157

Dear Mr. Baxter:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Page 2 of 2
EPA Reg. No. 62719-693
Decision No. 527157

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Sarah Meadows by phone at 703-347-0505, or via email at meadows.sarah@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Reuben Baris". The signature is stylized with a large, sweeping "R" and a distinct "B".

Reuben Baris, Product Manager 25
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Enclosure

(Base label):

Resicore[®]

HERBICIDE

A herbicide for control of annual grasses and broadleaf weeds in field corn, field seed corn, field silage corn, and yellow popcorn.

Group	15	27	4	HERBICIDES
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Active Ingredients:

acetochlor: 2-chloro-N-ethoxymethyl-N-(2-ethyl6-methylphenyl)acetamide.....	31.0%
mesotrione: 2-[4-(methylsulfonyl)-1,3-cyclohexanedione].....	3.3%
clpyralid MEA salt: 3,6-dichloropyridinecarboxylic acid, monoethanolamine salt.....	2.7%
Other Ingredients:	63.0%
Total	100.0%

ACCEPTED**05/24/2017**

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 62719-693

Contains 336 grams/liter or 2.8 pounds/gallon acetochlor, 36 grams/liter or 0.30 pounds/gallon mesotrione, and 22.4 grams/liter or 0.19 pounds/gallon clpyralid, acid equivalent (3,6-dichloropyridinecarboxylic acid).

Not for Sale, Sale Into, Distribution and/or Use in Nassau and Suffolk Counties of New York State.

Keep Out of Reach of Children

CAUTION PRECAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Precautionary Statements

Hazards to Humans and Domestic Animals

Harmful If Swallowed or Absorbed Through Skin • Causes Moderate Eye Irritation • Prolonged or Frequently Repeated Skin Contact May Cause Allergic Reactions in Some Individuals

Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

Resicore[®]

EPA Reg. No. 62719-693

Registration Notes:

Source Label text based on EPA accepted label dated January 26, 2016. The following changes by amendment:

1. Updated trademark symbol from [™] to [®]
2. Updated Table 1 (Rotational Crop) by adding Sweet corn under 10.5 months rotational interval and Cotton with a 12 months rotational interval.
3. Deleted California for footnote 2, 3 and 4 under Table 1.

[®][™] Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

Baris, Reuben

From: Baxter, Jim (J) <jpbaxter@dow.com>
Sent: Friday, March 03, 2017 10:18 AM
To: Baris, Reuben
Cc: Algarin, Nestor (N); Williamson, Kim (KM)
Subject: RE: Resicore (EPA Reg. No. 62719-693) - Label Amendment
Attachments: removed.txt

Hi Reuben,

Thanks very much. As you can see with the proposed amendment, there are 3 "functional" changes we are proposing:

- **Rotation to sweet corn** – Justification: all 3 actives (acetochlor, mesotrione, clopyralid) have Sec. 3 labeling allowing direct use in sweet corn...but, Dow AgroSciences was limited by our contract with Monsanto which prevented us from labeling Resicore for direct use. (You may recall the quick revisions we made in this regard at the time of Resicore registration in Jan. 2016). So, there are no residue or crop safety issues specifying the 10.5 month rotation as proposed. If we do not list sweet corn in the 10.5 month listing, the 18-month restriction is the default and is a limiting factor in the market.
- **Rotation to cotton** – Justification: all 3 actives (acetochlor, mesotrione, clopyralid) have Sec. 3 labeling allowing either direct use or rotation at 12 months or less as explained below:
 - Acetochlor: In the case of acetochlor, direct use in cotton is allowed. Please see labeling for Warrant, EPA Reg. No. 524-591...also cotton commodity tolerances for direct use §180.470.
 - Mesotrione: A rotation to cotton at 10 months is allowed. Please see labeling for Callisto, EPA Reg. No. 100-1131.
 - Clopyralid: A rotation to cotton is allowed at 10.5 or 12 months depending on the on the situation. Please see labeling for Stinger, EPA Reg. No. 62719-73. Please note that the rotational crop section in the Stinger labeling is substantially complex due to the wide variety of approved use patterns and geographical diversity...with rotation to cotton allowed at 10.5 months or 12 months depending on the situation. So, for Resicore (only use is corn) we are proposing 12 months. This change can be made with no concern for residue or crop safety issues.

This is the most important change we are seeking in the proposed amendment for Resicore. Current labeling is a significant market limitation in regions of the country that rotate from corn to cotton. We have carefully considered the change and propose it for your consideration.
- **Remove reference to California** – Justification: there are no registrations of acetochlor-containing products approved in California...nor will registrations of acetochlor-containing products be pursued there. The current labeling for Resicore with the reference to California can be a potential source of confusion.

Should you have any questions or require any additional information, please let us know.

Best Regards,
Jim

Jim Baxter
U.S. & Global Regulatory Leader - Acetochlor
Dow AgroSciences LLC

Office: (317) 337-4388
Mobile: (317) 341-4302
jpbaxter@dow.com

From: Baris, Reuben [mailto:Baris.Reuben@epa.gov]
Sent: Friday, March 03, 2017 9:06 AM
To: Baxter, Jim (J)
Cc: Williamson, Kim (KM); Algarin, Nestor (N)
Subject: RE: Resicore (EPA Reg. No. 62719-693) - Label Amendment

Hi Jim,
I finally received the amendment you referenced in your 2/14 email. What is the justification for the change in the crop rotation table? Do you have supporting data or a reference from where Dow is supporting the change in crop rotation timing?
Thanks.
Reuben

REUBEN BARIS | PRODUCT MANAGER, TEAM 25 | HERBICIDE BRANCH
U.S. ENVIRONMENTAL PROTECTION AGENCY, OFFICE OF PESTICIDE PROGRAMS | (703) 305-7356

From: Baris, Reuben
Sent: Monday, February 20, 2017 9:03 PM
To: 'Baxter, Jim (J)' <jpbaxter@dow.com>
Cc: Williamson, Kim (KM) <kmwilliamson@dow.com>; Algarin, Nestor (N) <NAlgarin@dow.com>
Subject: RE: Resicore (EPA Reg. No. 62719-693) - Label Amendment

Hi Jim,
Thanks for the heads up. Congratulations on the award.
reuben

REUBEN BARIS | PRODUCT MANAGER, TEAM 25 | HERBICIDE BRANCH
U.S. ENVIRONMENTAL PROTECTION AGENCY, OFFICE OF PESTICIDE PROGRAMS | (703) 305-7356

From: Baxter, Jim (J) [mailto:jpbaxter@dow.com]
Sent: Tuesday, February 14, 2017 8:25 AM
To: Baris, Reuben <Baris.Reuben@epa.gov>
Cc: Williamson, Kim (KM) <kmwilliamson@dow.com>; Algarin, Nestor (N) <NAlgarin@dow.com>
Subject: Resicore (EPA Reg. No. 62719-693) - Label Amendment

Good morning Reuben...I hope all is great with you!

Just a quick note here to let you know that we have a label amendment for Resicore® (acetochlor, mesotrione, clopyralid) corn herbicide heading your way for review. The scope of the changes are narrow...focused on minor tweaks regarding rotational crop section.

Based on the tremendous market success last year we are indeed excited for major growth 2017! There is no doubt about the important need for multiple modes of action and corn growers have a unique mix with Resicore. It won an Agrow award in 2016 as best new formulation innovation...here's a clip from the announcement:



We greatly appreciated your work and the work of your team leading to the registration approval of Resicore last January...the close dialogue was productive and beneficial.

Should you have any questions, or require any additional information as you review the changes, please let us know.

Kind Regards,
Jim

Jim Baxter
U.S. & Global Regulatory Leader - Acetochlor
Dow AgroSciences LLC
Office: (317) 337-4388
Mobile: (317) 341-4302
jpbaxter@dow.com

Dow AgroSciences LLC
9330 Zionsville Road Indianapolis, IN 46268 USA

www.dowagro.com

308/2E
February 14, 2017

Document Processing Desk (ESUB)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

Attention: Reuben Baris/PM-25 (7505P)

RESICORE (AI: ACETOCHLOR + MESOTRIONE + CLOPYRALID)
EPA REGISTRATION NUMBER: 62719-693
SUBMISSION OF AMENDED MAIN LABELING

Enclosed is proposed amended labeling for Resicore® herbicide, containing the active ingredients acetochlor, mesotrione, and clopyralid, based on EPA stamped accepted labeling dated January 26, 2016. Below are the following changes by amendment:

1. Updated trademark symbol from TM to ®
2. Updated Table 1 (Rotational Crop) by adding Sweet corn under 10.5 months rotational interval and Cotton with a 12 months rotational interval.
3. Deleted California for footnote 2, 3 and 4 under Table 1.

Contents of Submission:

- Transmittal document (this letter)
- EPA Form 8570-1, Application for Pesticide
- Label entitled Resicore (T3B/ Resicore / MSTR/ Amend with edits/01-17-17)
28 Pages (Resicore-693 MSTR 02Feb17dW-Ed.pdf)
- Label entitled Resicore (T3B/ Resicore / MSTR / Amend/02-02-17)
28 (062719-00693.20170202.Resicore-693 MSTR 02Feb17d.pdf)

If you require additional information, please contact Nestor Algarin, Registration Specialist for this product, at 317-337-5148 (nalgarin@dow.com) or Kim Williamson, Registration Assistant, at 317-337-4657 (kmwilliamson@dow.com).

Sincerely,



Jim Baxter
Regulatory Leader – Regulatory Affairs
317-337-4388
jpbaxter@dow.com



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☒ Amendment
☐ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number Dow AgroSciences/62719-693	2. EPA Product Manager Reuben Baris (7505P)	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Dow AgroSciences/ Resicore	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input checked="" type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Proposed label amendment for Resicore® herbicide, containing the active ingredients acetochlor, mesotrione, and clopyralid, based on EPA stamped accepted labeling dated January 26, 2016, as follows: 1. Updated trademark symbol from ™ to ® 2. Updated Table 1 (Rotational Crop) by adding Sweet corn under 10.5 months rotational interval and Cotton with a 12 months rotational interval. 3. Deleted California for footnote 2, 3 and 4 under Table 1.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Jim Baxter		Title Regulatory Manager	
		Telephone No. (Include Area Code) (317) 337-4388 (fax: 317-337-4649)	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)
2. Signature 		3. Title Regulatory Manager	
4. Typed Name Jim Baxter		5. Date February 14, 2017	

PROCESSING REQUEST

Reg # 62719-693

Decision # 525519

Description: REVISED BASIC CSF

Electronic Label & Letter
(see PPLS):

OR

Non Electronic
Label & Letter
(Scanning required):

☐ Dated:

☐ Dated:

Only one label type should be selected

Other Materials Sent (see jacket):

☒ New CSF(s) Dated: 1/16/17

☐ Other:

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer: SARAH MEADOWS

Division: PD

Phone: 347-0505

Date: 3/22/17.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460**

**OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION**

March 20, 2017

Jim Baxter
Regulatory Manager
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

Subject: CSF Notification per PRN 98-10 – Revised Basic CSF
Product Name: RESICORE
EPA Registration Number: 62719-693
Application Date: 1/18/2017
Decision Number: 525519

Dear Mr. Baxter:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The CSFs submitted with your application have been stamped "Notification" and placed in our files.

Please note that the record for this product currently contains the following CSFs:

- Basic CSF dated 1/16/2017

Any CSFs other than those listed above are superseded/no longer valid. If you have any questions, please contact Sarah Meadows at 703-347-0505 or by email at meadows.sarah@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Reuben Baris". To the right of the signature, the word "FOR" is written in a small, stylized font.

Reuben Baris, Product Manager 25
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs



Dow AgroSciences
9330 Zionsville Road Indianapolis IN 46268 USA

www.dowagro.com

308/2E
January 18, 2017

Document Processing Desk (ESUB)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

RESICORE (AI: ACETOCHLOR + MESOTRIONE + CLOPYRALID)
EPA REGISTRATION NUMBER: 62719-693
NOTIFICATION OF MINOR CONFIDENTIAL STATEMENT OF FORMULA CHANGE PER PR NOTICE 98-10

Enclosed is Confidential Statement of Formula (CSF) for Resicore®. The Basic CSF dated January 16, 2017, is to replace the EPA accepted CSF dated February 15, 2016.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Contents of Submission

- Transmittal document (this letter)
- Application for Pesticide, EPA Form 8570-1
- Confidential Statement of Formula (Basic) for Resicore dated January 16, 2017
(4 Pages) (PDF)

If you require additional information, please contact me or Kim Williamson, Registration Assistant for this product, at 317-337-4657(kmwilliamson@dow.com).

Sincerely,

Jim Baxter
Regulatory Leader – Regulatory Affairs
317-337-4388
jpbaxter@dow.com

DOCUMENT



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number Dow AgroSciences/62719-693	2. EPA Product Manager Reuben Baris (7505P)	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Dow AgroSciences/ Resicore	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of minor change to Confidential Statement of Formula (CSF) for Resicore. The Basic CSF dated January 16, 2017, is to replace the EPA accepted CSF dated February 15, 2016, per PR-Notice 98-10

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	
				<input type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Jim Baxter		Title Regulatory Manager		Telephone No. (Include Area Code) (317) 337-4388 (fax: 317-337-4649)	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped)
2. Signature 		3. Title Regulatory Manager		DOCUMENTARY	
4. Typed Name Jim Baxter		5. Date January 18, 2017			

Material Sent for Data Extraction

Reg. # 62719-693

Description: Accepted MFA-PRN-98-10

☒ Material(s) Sent to Data Extraction Contractors:

☐ New Stamped Label Dated _____

☒ Notification Dated 2.29.16

☒ New CSF(s) Dated 2.15.16

☐ Other: _____

☒ Decision #: 515527

☐ Other Action/Comments: _____

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer: Alganesh Debesai

Phone: 308-8353 Division: RD

Date: 4.10.16.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

April 19, 2016

Jim Baxter
Regulatory Leader/Affairs
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

Subject: Minor Formulation Amendment per PRN 98-10
Product Name: Resicore
EPA Registration Number: 62719-693
Application Date: 02/29/2016
Decision Number: 515527

Dear Mr. Baxter:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 02/29/2016 for **EPA Registration 62719-693**. The Registration Division (RD) has conducted a review of the Confidential Statement of Formula (CSF) submitted with this request for its applicability under PRN 98-10 and finds that the change(s) requested falls within the scope of PRN 98-10. Therefore, revised Basic CSF dated 02/15/2016 is **acceptable**. A copy of the CSF has been added to the registration file for the subject product.

Please note that the record for this product currently contains the following CSF:

- Basic CSF dated 02/15/2016

Any CSFs other than that listed above are superseded/no longer valid. If you have any questions, please contact me via telephone at 703-308-8353 or e-mail (debesai.alganesh@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "Alganesh Debesai". The signature is written in a cursive, flowing style.

Alganesh Debesai.
Chemistry, Inerts and Toxicology Assessment Branch
Registration Division (7505P)
Office of Chemical Safety and Pollution Prevention



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number Dow AgroSciences/62719-693	2. EPA Product Manager Reuben Baris (7505P)	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Dow AgroSciences/ Resicore	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Proposed Confidential Statement of Formula (CSF) for Resicore™. This Basic CSF is to replace the EPA accepted CSF dated March 11, 2015. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	
				<input type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
* Certification must be submitted				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Jim Baxter		Title Regulatory Manager		Telephone No. (Include Area Code) (317) 337-4388 (fax: 317-337-4649)	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped)
2. Signature 		3. Title Regulatory Manager			
4. Typed Name Jim Baxter		5. Date February 29, 2016			



Dow AgroSciences

Due MFA
4/15/16

Dow AgroSciences LLC
9330 Zionsville Road Indianapolis, IN 46268 USA

www.dowagro.com

308/2E
February 29, 2016

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

RESICORE (AI: ACETOCHLOR + MESOTRIONE + CLOPYRALID)
EPA REGISTRATION NUMBER: 62719-693
NOTIFICATION OF MINOR CONFIDENTIAL STATEMENT OF FORMULA CHANGE PER PR NOTICE 98-10

Enclosed is Confidential Statement of Formula (CSF) for ResicoreTM. This Basic CSF is to replace the EPA accepted CSF dated March 11, 2015.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Contents of Submission

- Transmittal document (this letter)
- Application for Pesticide, EPA Form 8570-1
- Confidential Statement of Formula (Basic) entitled Resicore dated February 15, 2016
(4 Pages) (2 Originals)

If you require additional information, please contact Kim Williamson, Registration Assistant for this product, at 317-337-4657(kmwilliamson@dow.com).

Sincerely,

Jim Baxter
Regulatory Leader – Regulatory Affairs
317-337-4388
317-337-4649 (FAX)
jpbaxter@dow.com



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

January 26, 2016

Jim Baxter
Regulatory Manager
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

Subject: Label Amendment – Removal of sweet corn from label
Product Name: Resicore
EPA Registration Number: 62719-693
Application Date: 1/21/2016
Decision Number: 513097

Dear Mr. Baxter:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Page 2 of 2
EPA Reg. No. 62719-693
Decision No. 513097

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Sarah Meadows by phone at 703-347-0505, or via email at meadows.sarah@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Reuben Baris". The signature is stylized with a large "R" and a prominent "B".

Reuben Baris, Product Manager 25
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Enclosure

(Base label):

ResicoreTM

HERBICIDE

A herbicide for control of annual grasses and broadleaf weeds in field corn, field seed corn, field silage corn, and yellow popcorn.

Group	15	27	4	HERBICIDES
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Active Ingredients:

acetochlor: 2-chloro-N-ethoxymethyl-N-(2-ethyl-6-methylphenyl)acetamide.....	31.0%
mesotrione: 2-[4-(methylsulfonyl)-1,3-cyclohexanedione].....	3.3%
clopyralid MEA salt: 3,6-dichloropyridinecarboxylic acid, monoethanolamine salt.....	2.7%
Other Ingredients:	63.0%
Total	100.0%

ACCEPTED**01/26/2016**

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 62719-693

Contains 336 grams/liter or 2.8 pounds/gallon acetochlor, 36 grams/liter or 0.30 pounds/gallon mesotrione, and 22.4 grams/liter or 0.19 pounds/gallon clopyralid, acid equivalent (3,6-dichloropyridinecarboxylic acid).

Not for Sale, Sale Into, Distribution and/or Use in Nassau and Suffolk Counties of New York State.

Keep Out of Reach of Children

CAUTION PRECAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Precautionary Statements

Hazards to Humans and Domestic Animals

Harmful If Swallowed or Absorbed Through Skin • Causes Moderate Eye Irritation • Prolonged or Frequently Repeated Skin Contact May Cause Allergic Reactions in Some Individuals

Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls: When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(5)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands thoroughly after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

First Aid

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 day or night, for emergency treatment information.

Environmental Hazards

This pesticide is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

Acetochlor demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the groundwater is shallow, may result in groundwater contamination.

Clopyralid is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this product where soils are permeable, particularly where the water table is shallow, may result in leaching to ground water.

Surface Water Advisory

Mesotrione may contaminate water through drift of spray in wind. This product has a high potential for runoff for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and

springs will reduce the potential for contamination of water from runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion control practices will reduce this product's contribution to surface water contamination.

Acetochlor has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to the label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Nonrefillable containers 5 gallons or less:

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Store in original container only. Keep container closed when not in use. Do not store near food or feed. In case of spill or leak on floor or paved surfaces, soak up with vermiculite, earth, or synthetic absorbent.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Refillable containers larger than 5 gallons:

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Store in original container only. Keep container closed when not in use. Do not store near food or feed. In case of spill or leak on floor or paved surfaces, soak up with vermiculite, earth, or synthetic absorbent.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Container Handling: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

Nonrefillable containers larger than 5 gallons:**Storage and Disposal**

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Store in original container only. Keep container closed when not in use. Do not store near food or feed. In case of spill or leak on floor or paved surfaces, soak up with vermiculite, earth, or synthetic absorbent.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Refer to label booklet for Directions for Use.

Notice: Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies at end of label booklet. If terms are not acceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-693

EPA Est. _____

®™ Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

Produced for
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

NET CONTENTS ____

(cover/shipping container)

ResicoreTM

HERBICIDE

A herbicide for control of annual grasses and broadleaf weeds in field corn, field seed corn, field silage corn, and yellow popcorn.

Group	15	27	4	HERBICIDES
-------	----	----	---	------------

Active Ingredients:

acetochlor: 2-chloro-N-ethoxymethyl-N-(2-ethyl-6-methylphenyl)acetamide.....	31.0%
mesotrione: 2-[4-(methylsulfonyl)-1,3-cyclohexanedione].....	3.3%
clopyralid MEA salt: 3,6-dichloropyridinecarboxylic acid, monoethanolamine salt.....	2.7%
Other Ingredients:	63.0%
Total	100.0%

Contains 336 grams/liter or 2.8 pounds/gallon acetochlor, 36 grams/liter or 0.30 pounds/gallon mesotrione, and 22.4 grams/liter or 0.19 pounds/gallon clopyralid, acid equivalent (3,6-dichloropyridinecarboxylic acid).

Not for Sale, Sale Into, Distribution and/or Use in Nassau and Suffolk Counties of New York State.

Keep Out of Reach of Children

CAUTION PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to the label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to label booklet for Directions for Use.

Notice: Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies at end of label booklet. If terms are not acceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-693

EPA Est. _____

®TM Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

Produced for
Dow AgroSciences LLC
9330 Zionsville Road

Indianapolis, IN 46268

NET CONTENTS __

(Page 1 through end):

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Harmful If Swallowed or Absorbed Through Skin • Causes Moderate Eye Irritation • Prolonged or Frequently Repeated Skin Contact May Cause Allergic Reactions in Some Individuals

Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls: When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(5)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands thoroughly after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

First Aid

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 day or night, for emergency treatment information.

Environmental Hazards

This pesticide is toxic to fish. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

Acetochlor demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the groundwater is shallow, may result in groundwater contamination.

Clopyralid is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this product where soils are permeable, particularly where the water table is shallow, may result in leaching to ground water.

Surface Water Advisory

Mesotrione may contaminate water through drift of spray in wind. This product has a high potential for runoff for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion control practices will reduce this product's contribution to surface water contamination.

Acetochlor has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read all Directions for Use carefully before applying.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. **Exception:** If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls

- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Store in original container only. Keep container closed when not in use. Do not store near food or feed. In case of spill or leak on floor or paved surfaces, soak up with vermiculite, earth, or synthetic absorbent.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Nonrefillable containers 5 gallons or less:

Container Handling: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Refillable containers larger than 5 gallons:

Container Handling: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

Nonrefillable containers larger than 5 gallons:

Container Handling: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Product Information

For use only on field corn, field seed corn, field silage corn, and yellow popcorn, which collectively will be referred to as "corn" in this label.

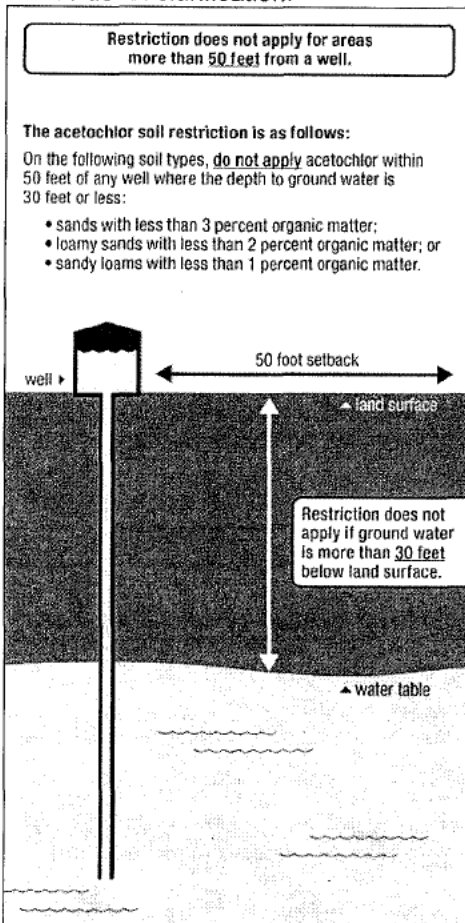
Resicore™ herbicide may be used preplant, preemergence (after planting but prior to crop emergence), or postemergence (after crop emergence) in field corn, field seed corn, and field silage corn fields. For yellow popcorn, Resicore must be applied prior to crop emergence (i.e., preplant or preemergence) or severe crop injury may occur.

Resicore is a combination of the herbicides acetochlor (group 15), mesotrione (group 27), and clopyralid (group 4), plus the crop safener furilazole. This combination of three herbicide modes of action controls many grass and broadleaf weeds by interfering with normal germination, growth, and seedling development. When applied after weed emergence, Resicore will provide control of many broadleaf weed species but will not provide consistent control of emerged grass weeds. Resicore may be used in tank mix combinations with other herbicides registered for use on the above corn crops to enhance or broaden the spectrum of control of weeds listed in the "Weeds Controlled" section of this label (Tables 4 and 5).

Use Restrictions

- **Not for Sale, Sale Into, Distribution and/or Use in Nassau and Suffolk Counties of New York State.**
- All containers of Resicore must be kept tightly closed when not in use.
- Observe all restrictions, precautions, and limitations on the label of each product used in tank mixtures.
- Resicore must be used in a manner that will prevent back siphoning into wells, spills, or improper disposal of excess pesticide, spray mixtures, or rinsates.
- Do not store Resicore near seeds, fertilizers, or foodstuffs.
- Do not allow Resicore to contaminate feed or food.
- Do not use Resicore on any crop other than field corn (for grain, seed, or silage), or yellow popcorn.
- Do not use Resicore in the production of white popcorn or ornamental (Indian) corn or crop injury may occur.
- Do not apply Resicore to yellow popcorn after the crop has emerged or severe crop injury may occur.
- Do not make postemergence applications of Resicore to field corn, field seed corn, or field silage corn using liquid fertilizer as the carrier or severe crop injury may occur.
- Do not make postemergence (emerged corn) applications of Resicore in a tank mix with any organophosphate or carbamate insecticide or severe crop injury may occur.
- Do not apply Resicore to field corn, field seed corn, and field silage corn over 11 inches tall.
- Do not contaminate irrigation water used for crops other than corn or water used for domestic purposes.

- On the following soil types, do not apply this product within 50 feet of any well where the depth to groundwater is 30 feet or less: sands with less than 3% organic matter; loamy sands with less than 2% organic matter; or sandy loams with less than 1 percent organic matter. See the figure for additional clarification.



This product must not be mixed or loaded, or used within 50 feet of all wells, including abandoned wells, drainage wells, and sinks holes. Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or washwater, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self-contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specified minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. Additional State imposed requirements regarding well-head setbacks and operational area containment must be observed.

- Do not apply this product through any type of irrigation system.
- Use a sprinkler irrigation system only to incorporate Resicore after application. After Resicore has been applied, a sprinkler irrigation system set to deliver 0.5-1.0 inch of water may be used to incorporate the product; using more than one inch of water could result in reduced performance. On sandy soils low in organic matter, apply no more than 0.5 inch of water.
- Do not use flood or furrow irrigation to incorporate this product.
- Do not apply under conditions that favor runoff or wind erosion of soil containing this product to non-target areas. To prevent off-site movement due to runoff or wind erosion:
 - Avoid treating powdery dry or light sandy soils when conditions are favorable for wind erosion. Under these conditions, the soil surface should first be settled by rainfall or irrigation.
 - Do not apply to impervious substrates such as paved or highly compacted surfaces or frozen or snow covered soils.
 - Do not use tailwater from the first flood or furrow irrigation of treated fields to treat non-target crops unless at least 1/2 inch of rainfall has occurred between application and the first irrigation.
- **Aerial Application:** Do not apply Resicore using aerial application equipment unless otherwise directed by approved supplemental labeling in possession of the user at the time of application.
- Do not apply when wind conditions favor drift to non-target sites. To minimize spray drift to non-target areas:
 - Use low-pressure application equipment capable of producing a large droplet spray.
 - Do not use nozzles that produce a fine droplet spray.
 - Minimize drift by using sufficient spray volume to ensure adequate coverage with large droplet size sprays.
 - Keep ground-driven spray boom as low as possible above the target surface at the minimum specified height required for uniform spray coverage with the spray nozzle used.
 - Make application when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph.
 - Do not apply when wind gusts approach 15 mph.
 - Low humidity and high temperatures increase the likelihood of spray drift to sensitive areas. Do not spray during conditions of low humidity and/or high temperatures. Do not apply during inversion conditions.
- Thoroughly clean sprayer or other application equipment before and after use. Do not use a sprayer or applicator contaminated with other materials or crop damage or sprayer clogging of the application equipment may occur.
- **Maximum Acetochlor Application Rates Per Calendar Year:**
When tank mixing or sequentially applying products containing acetochlor with Resicore to corn, do not exceed an application rate of 3.00 pounds active ingredient of acetochlor per acre per year. **Note:** For purposes of calculating total acetochlor active ingredient applied, Resicore contains 2.80 pounds active ingredient acetochlor per gallon (0.70 pound active ingredient acetochlor per quart).
- **Maximum Mesotrione Application Rates Per Calendar Year:**
When tank mixing or sequentially applying products containing mesotrione with Resicore to corn, do not exceed an application rate of 0.24 pound active ingredient of mesotrione per acre per year. **Note:** For purposes of calculating total mesotrione active ingredient applied, Resicore contains 0.30 pound active ingredient mesotrione per gallon (0.075 pound active ingredient mesotrione per quart).
- **Maximum Clopyralid Application Rates Per Calendar Year:**
When tank mixing or sequentially applying products containing clopyralid with Resicore to corn, do not exceed an application rate of 0.25 pound acid equivalent of clopyralid per acre per year. **Note:** For

purposes of calculating total clopyralid active ingredient applied, Resicore contains 0.187 pound acid equivalent clopyralid per gallon (0.047 pound acid equivalent clopyralid per quart).

- Do not apply more than 3.25 quarts of Resicore per acre per year.
- Do not make more than two applications of Resicore per year.
- **Preharvest Interval:** Do not apply Resicore within 45 days of harvest for ears and forage or within 60 days of harvest for stover.

Use Precautions

- Acetochlor demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the ground water is shallow, may result in ground water contamination.
- Avoid spray overlap, as crop injury may result.
- Avoid spray drift onto adjacent crop or non-crop areas.
- Resicore will not provide consistent control of emerged grass weeds present at application; utilize tank mixtures or sequential applications of herbicides registered for postemergence control of grass weeds in corn.
- Applying Resicore postemergence (emerged corn) to corn that has received an at-plant application of phorate or terbufos insecticide may result in severe corn injury. Temporary corn injury may occur if Resicore is applied to emerged corn where organophosphate insecticides other than phorate or terbufos were applied at planting.
- Postemergence (emerged corn) applications of any organophosphate or carbamate insecticide within 7 days before or 7 days after a Resicore application may result in severe corn injury.
- Dry weather following preplant or preemergence applications of Resicore or a Resicoretank mixture may reduce effectiveness. If weeds develop, they may be controlled with cultivation or use of registered corn herbicides.
- Where reference is made to weeds partially controlled, partial control can mean erratic or inconsistent control or efficacy at a level below that generally considered acceptable for commercial weed control.
- Applied according to directions and under normal growing conditions, Resicore will not harm the treated crop. During germination and early stages of growth, extended periods of unusually cold and wet or hot and dry weather, insect or plant disease attack, carryover pesticide residues, the use of certain soil-applied systemic insecticides, or improperly placed fertilizers or soil insecticides may weaken crop seedlings and stress crop growth. Resicore used under these conditions could result in crop injury.

Rotational Crop Restrictions:

When Resicore is applied as directed on this label, follow the crop rotation intervals in Table 1. If Resicore is tank mixed or used sequentially with other products, follow the most restrictive product's crop rotation interval.

Table 1: Time Interval between Resicore Application and Replanting or Planting of Rotational Crop

Rotational crop	Rotational Interval
Field corn Field seed corn Field silage corn Yellow popcorn	Anytime (1)
Wheat	4 months
Alfalfa (2) Barley Millet (pearl and proso) Oats Rice Rye Sorghum (3) Soybean (4, 5, 6) Sunflower (4)	10.5 months (7, 8)
All other rotational crops	18 months

- (1) Do not make a second application of Resicore if the original corn crop is lost.
- (2) **California, Idaho, Nevada, Oregon, Utah, and Washington:** 12 months, areas receiving greater than 18 inches of annual rainfall, excluding irrigation; 18 months, areas receiving less than 18 inches of annual rainfall, excluding irrigation. **All other states:** 10.5 months.
- (3) **California, Idaho, Nevada, Oregon, Utah, and Washington:** 12 months. **All other states:** 10.5 months.
- (4) **Florida:** 18 months. **California, Idaho, Nevada, Oregon, Utah, and Washington:** 12 months, areas receiving greater than 18 inches of annual rainfall, excluding irrigation; 18 months, areas receiving less than 18 inches of annual rainfall, excluding irrigation. **All other states:** 10.5 months for soils greater than 2% organic matter AND rainfall more than 15 inches during 12 months following applications; 18 months for soils less than 2% organic matter AND rainfall less than 15 inches during 12 months following applications.
- (5) Injury may occur to soybeans planted the year following application on soils having a calcareous subsurface layer, if products containing atrazine were used at rates above 0.75 lb ai atrazine per acre in tank mixtures and/or sequentially with Resicore.
- (6) In eastern parts of the Dakotas, Kansas, western Minnesota and Nebraska, do not rotate to soybeans for 18 months following application if products containing atrazine were used in tank mixtures and/or sequentially with Resicore and the total atrazine rate applied was more than 2.0 pounds active ingredient per acre, or equivalent band application rate, or soybean injury may occur.
- (7) If Resicore is applied after June 1, rotating to crops other than corn or grain sorghum the next spring may result in crop injury.
- (8) In the High Plains and Intermountain areas of the West, where rainfall is sparse and erratic or where irrigation is required, use Resicore only when corn or sorghum is to follow field corn, or a crop of untreated corn or sorghum is to precede other rotational crops.

Rotation to Non-food Winter Cover Crops

Following harvest of corn treated with Resicore, only non-food or non-feed winter cover crops (with the exception of winter wheat) may be planted. Do not graze or harvest rotational cover crops for food or animal feed for 18 months following the last application of Resicore. This prohibition does not apply to winter wheat, which may be planted 4 months following the last application of Resicore, or to nongrass animal feeds, which may be planted 9 months after the last application of Resicore.

Weed Resistance Management Guidelines

Acetochlor, mesotrione, and clopyralid, the active ingredients in Resicore, are Group 15, Group 27, and Group 4 herbicides, respectively, based on the mode of action classification system of the Weed Science Society of America. Any weed population may contain biotypes naturally tolerant or resistant to Group 15, 27, or 4 herbicides. Such resistant weed plants may not be effectively managed using Group 15, 27, or 4 herbicides but may be effectively managed utilizing another herbicide from a different Group and/or by using cultural or mechanical practices. However, any herbicide mode of action classification by itself may not adequately control specific weed biotypes that are resistant to specific herbicides. Consult your state cooperative extension service, professional consultants, or other qualified authorities to determine appropriate actions for treating specific resistant weeds. Resicore contains three herbicide active ingredients and three modes of action that provide overlapping control for many key weeds and thus can be a very effective component of a weed resistance management strategy.

Best Management Practices

Proactively implementing diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides is recommended. A diversified weed management program may include the use of multiple herbicides and applications with different modes of action and overlapping weed spectrums with or without tillage operations and/or other cultural practices. Research has demonstrated the importance of using full labeled rates and following use recommendations to minimize selection for resistance. Scouting fields after an herbicide application is important because it can facilitate the early detection and identification of weed shifts and/or weed resistance and thus provide direction on future weed management practices. One of the best ways to contain resistant populations is to adjust management practices to prevent weeds from reproducing by seed or vegetative propagules. Cleaning equipment between sites and avoiding movement of plant material between sites may minimize the spread of resistant weed seed.

General principles of herbicide resistance management:

1. Apply integrated weed management practices. Use multiple herbicide modes-of-action with overlapping weed spectrums in rotation, sequences, or mixtures.
2. Use the full specified herbicide rate and proper application timing for the hardest to control weed species present in the field.
3. Scout fields after herbicide application to ensure control has been achieved. Eliminate weed escapes to avoid allowing weeds to reproduce by seed or vegetative propagules.
4. Monitor sites and clean equipment between sites.

For annual cropping situations also consider the following:

- Start with a clean field and control weeds early by using a burndown herbicide treatment or tillage in combination with a soil-applied residual herbicide, as appropriate.
- Use cultural practices such as cultivation and crop rotation, where appropriate.
- Utilize good agronomic principles that enhance crop competitiveness.
- Use new commercial seed that is as free of weed seed as possible.

Report any incidence of repeated non-performance of this product on a particular weed to your Local Dow AgroSciences representative, retailer, or Extension specialist.

Application Directions

Carriers

Liquids:

- **Preemergence Applications:** Either clean water or liquid fertilizers, excluding suspension fertilizers, may be used as liquid carriers for preplant or preemergence applications of Resicore. If fluid fertilizers are used, a physical compatibility test must be done **before combining** in the spray tank. See Appendix I for details of the compatibility testing procedure. Even if Resicore is physically compatible with a fluid fertilizer, constant agitation is necessary to maintain a uniform mixture during application.
- **Postemergence Applications:** Use only clean water as the carrier when applying Resicore after field corn emergence; do not make postemergence applications using liquid fertilizer as the carrier or severe crop injury may occur. Do not apply Resicore to emerged yellow popcorn or severe crop injury may occur.

Dry Bulk Fertilizer: Resicore may be impregnated on dry bulk fertilizer and applied as the fertilizer is spread. See **Appendix I** for directions and restrictions including which fertilizers are compatible.

Adding Resicore to the Spray Tank

The spray tank must be clean, thoroughly rinsed and decontaminated before adding either Resicore alone or with tank mix combinations. If water is used as the carrier, use clean water.

Resicore Applied Alone: When Resicore is used alone, add the specified amount of Resicore to the spray tank when the tank is half filled with carrier and then add the rest of the water or fluid fertilizer. Provide sufficient agitation during mixing and application to maintain a uniform mixture.

Resicore Applied in Tank Mixtures: Refer to the sections of this label for recommended tank mixes. Always refer to labels of the tank mix partners for mixing directions and precautions. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another). Do not exceed label dosage rates nor combined maximum seasonal doses for acetochlor, mesotrione, or clopyralid. Resicore cannot be mixed with any product bearing a label prohibition against such mixing. If a tank mixture is used, a compatibility test must be done. See **Appendix II** for details on the procedure for such a test.

If the tank mix partner is compatible, fill the tank half full of carrier. Start and continue agitation throughout mixing and spraying operation. All return lines to the spray tank must discharge below the liquid level to prevent foaming. Prepare the tank mix components and add them in the following order by formulation type:

1. If a wettable powder or dry flowable formulation is used, make a slurry with water and add it slowly through the screen into the tank. Agitate during the procedure.
2. If a flowable formulation is used, add slowly through screen into the tank. Mixing and compatibility may be improved when the flowable is diluted with water before adding to the tank.
3. Add Resicore.
4. Add any other tank mix products next, with emulsifiable concentrates added last.
5. Add adjuvants last, if needed.
6. Complete filling the sprayer tank and continue agitation. Apply as soon as possible after spray mixture is prepared. Do not leave mixture in spray tank overnight without agitation or unattended.

Note: For all tank mixtures, maintain agitation during mixing and throughout application to ensure the spray mixture remains uniformly suspended. If the spray mixture is allowed to settle at any time, thorough agitation is required to resuspend the mixture before spraying is resumed.

Adjuvants

When an adjuvant is to be used with this product, the use of an adjuvant that meets the standards of the Chemical Producers and Distributors Association (CPDA) adjuvant certification program is recommended.

Use of adjuvants with Resicore applied prior to weed emergence is not necessary or recommended.

Where Resicore is applied after field corn has emerged, a non-ionic surfactant (NIS) at 0.25% v/v (1 quart/100 gallons) may be used. A crop oil concentrate (COC) may also be used at a rate not to exceed 1.0% (1 gallon/100 gallons) or not more than the equivalent of 1.0 quart per acre. The use of crop oil concentrate (COC) may result in temporary crop injury. Do not apply Resicore to yellow popcorn after the crop has emerged or severe crop injury may occur.

Do not use nitrogen based adjuvants (AMS or UAN) or methylated seed oil (MSO) with Resicore when applied alone to emerged field corn or when Resicore is applied as a postemergence tank mixture with other products (except for the inclusion of AMS in tank mixtures containing glyphosate or glufosinate, as directed on those product labels), unless directed for a specific tank mix on this label or as part of a supplemental Resicore label.

Any of the above adjuvants may be used at a preplant or preemergence application timing (i.e., where the corn crop has not yet emerged) to enhance burndown activity on existing weeds.

Spray Equipment

Ground Application:

Spray nozzles should be uniformly spaced, the same size and type, and provide accurate and uniform application. Use spray nozzles that provide medium to coarse droplet size to avoid spray drift yet provide good coverage. Ensure that all in-line strainer and nozzle screens in the sprayer are 50-mesh or coarser. Use a pump that can maintain an operating pressure of at least 35-40 psi at the nozzles and provide proper agitation within the spray tank to keep the product dispersed. Lower pressures may be used with extended range or drift reduction nozzles as long as adequate spray coverage is maintained. Always make sure that agitation is maintained until spraying is completed, even if stopped for only brief periods of time. If agitation is stopped for more than five minutes, resuspend the spray solution by running at full agitation prior to spraying.

Preplant or Preemergence Application: Apply in a spray volume of 10-80 gallons per acre.

Postemergence Application: Good spray coverage of weeds is essential for optimum weed control. Boom height for broadcast over-the-top applications should be based on the height of the crop but set only high enough to provide uniform coverage with the spray nozzle used. Apply in a spray volume of 10-30 gallons per acre. When weed foliage is dense or corn approaches 11 inches in height, use a minimum spray volume of 15 gallons per acre. Use 80° or 110° flat fan nozzles for optimum postemergence coverage. Nozzles may be angled forward 45° to enhance penetration of the crop and provide better coverage. Do not use floodjet nozzles or controlled droplet application equipment for postemergence applications.

Dry Bulk Fertilizer: When applying Resicore impregnated on dry bulk fertilizer, use a minimum of 200 pounds of dry bulk fertilizer per acre. See **Appendix I** for directions and restrictions.

Use Directions

Resicore may be used for early preplant (EPP), preplant surface, preplant incorporated (PPI), or preemergence (PRE) application for control of many annual grasses and broadleaf weeds in field corn, field seed corn, field silage corn, and yellow popcorn. Resicore may also be applied postemergence for the control of broadleaf weeds in field corn, field seed corn, and field silage corn. This product will not consistently control grasses that are emerged at the time of application; utilize tank mixtures or sequential applications of herbicides registered for postemergence control of grass weeds in corn. Do not apply Resicore to emerged yellow popcorn or severe crop injury may occur.

See Tables 4 and 5 for a list of weeds controlled by Resicore.

Tillage Systems

Resicore may be used in conventional, reduced, and no-tillage corn systems. Weed control will be greatest when applications are made as close to planting as possible. Thoroughly till soil or make an application of a burndown herbicide to control germinating and emerged weeds. The registrant recommends that a burndown herbicide, such as paraquat, glyphosate, glufosinate, and/or 2,4-D be tank mixed with Resicore in reduced, minimum, and no-tillage systems if weeds are present at application and corn has not yet emerged.

Soil Texture and Organic Matter

The texture and organic matter of the soil on which the application of Resicore is to be made must be known or determined prior to application. The use rate of Resicore is determined by the soil texture grouping (coarse, medium, or fine; see Table 2) and percent organic matter content.

Table 2: Soil Texture Groupings for Resicore Use Rate Selection.

Coarse	Medium	Fine
Sand Loamy Sand Sandy Loam	Loam Silt Loam Silt Sandy Clay Loam	Silty Clay Loam Clay Loam Sandy Clay Silty Clay Clay

Resicore Use Rates

Resicore use rates based on soil texture and organic matter content are outlined in Table 3. Do not apply Resicore more than 28 days prior to planting or to field corn taller than 11 inches in height. Resicore is not recommended for use on soils with greater than 10% organic matter or poor weed control may result.

Table 3: Resicore Use Rates by Soil Texture and Organic Matter Content.

Soil Texture	Rate Per Acre (Quarts)*	
	Soil Organic Matter Content	
	Less than 3%	3% or Greater
Coarse	2.25	2.50
Medium	2.50	2.75
Fine	2.75	3.00

*An additional 0.25 quart per acre may be used in areas of heavy weed infestation. Do not apply more than 3.25 quarts per acre of Resicore per season.

Resicore Applied Alone

Early Preplant (EPP) or Preplant Surface:

Resicore may be applied up to 28 days prior to planting. The registrant recommends that a burndown herbicide, such as paraquat, glyphosate, glufosinate, and/or 2,4-D be tank mixed with Resicore to control emerged weeds.

Preplant Incorporated (PPI):

For PPI application, uniformly incorporate Resicore into the upper 2 inches of the soil using a field cultivator, disc, or spring tooth harrow any time within 14 days prior to planting. Improper incorporation, excessive crop residues, or poor soil tilth may result in erratic, streaked, or otherwise unsatisfactory weed control. Do not mix Resicore deeper than 2 inches into the soil and avoid moving or shaping soil after incorporation.

Preemergence (PRE) Surface:

Resicore may be applied to the soil surface as a broadcast application after planting but prior to corn emergence. Precipitation or sprinkler irrigation of at least 0.25 inch is required to bring Resicore into contact with germinating weed seeds. If rainfall or sprinkler irrigation does not occur within 7 days after application, weed control may be improved by using a rotary hoe or similar equipment to incorporate the herbicide. Incorporation equipment should be operated at a shallow depth to avoid disturbance of germinating corn seed. Erratic weed control resulting from exposure of untreated soil may occur if surface soil is moved or reshaped after incorporation.

Postemergence:

Resicore may be applied after field corn emergence. See the “**Adjuvants**” section of this label for adjuvant recommendations. Do not apply postemergence to field corn with liquid fertilizer as the carrier or severe crop injury may occur. Apply this treatment when broadleaf weeds are less than 3 inches tall. Occasional field corn leaf burn may result but this will not affect later corn growth or yield. Postemergence applications to field corn must occur before the crop reaches 11 inches in height. Do not apply Resicore to emerged yellow popcorn or severe crop injury may occur.

Resicore will not provide consistent control of emerged grass weeds. For control of emerged grass weeds, a grass herbicide tank mixture may be required (see tank mix section of this label). Tank mixtures with atrazine can improve control of emerged annual grass and broadleaf weeds. Refer to atrazine product labels for use directions and restrictions and weeds controlled.

Split Application:

Resicore may be applied as a split application in field corn, field seed corn, or field silage corn. For a split application program, apply approximately half (50%) of the labeled rate of Resicore (for the soil type, from Table 3) prior to crop emergence, followed by a second Resicore application at approximately half (50%) of the labeled rate, but a **minimum of 1.25 quarts per acre**, as a post application after corn emergence. The total amount of Resicore applied in the split application program cannot exceed the labeled rates by soil type listed in Table 3 or 3.25 quarts per acre per season. Refer to the **Postemergence** section above for instructions on postemergence applications.

Resicore Tank Mix Combinations

Use of Spray Adjuvants with Tank Mixtures

When Resicore is used as a preemergence herbicide, and before weeds have emerged, spray adjuvants

have little or no effect on performance and are not recommended. In burndown situations, where weeds have emerged and the corn has not, an adjuvant(s) may be used with Resicore applied alone or when applied in tank mixtures with a burndown herbicide, as allowed on the individual product labels. Use only those adjuvants approved for agricultural crop use. See the “**Adjuvants**” section of this label for further instructions.

Burndown Combinations Applied Before Corn Emergence in Reduced Tillage Systems

In reduced or no-till corn prior to crop emergence, Resicore tank mixtures with glyphosate, glufosinate, or paraquat can be used to burn down susceptible emerged weeds. For best results, such tank mixtures should be applied to emerged weeds that are less than 6 inches tall. Consult the glyphosate, glufosinate, or paraquat product labels for further information and restrictions on use rates, application timings, and weeds controlled.

Preplant and Preemergence Tank Mixtures Applied Before Corn Emergence

In conventional, reduced, or no-till corn prior to crop emergence, the following tank mix partners may be applied by the same methods and at the same timings as Resicore unless otherwise specified in the tank mix product label:

- Glyphosate, glufosinate, or paraquat, per product labels, to control susceptible emerged weeds.
- Atrazine, to improve broadleaf and grass weed control.

Follow all tank mix product label directions and restrictions and perform a compatibility test prior to spraying the mixture. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another). Tank mixtures with 2,4-D are allowed but extreme care must be taken to ensure tank mix compatibility, as 2,4-D products can vary widely in their compatibility properties.

Postemergence Tank Mixtures Applied After Field Corn Emergence

In conventional, reduced, or no-till field corn after crop emergence, the following tank mix partners may be applied by the same methods and at the same timings as Resicore unless otherwise specified in the tank mix product label:

- Atrazine, to improve broadleaf and grass weed control.
- For emerged grass control, follow all tank mix product (such as Accent Q®, Basis® brands, and Steadfast® Q) label directions and restrictions and perform a compatibility test prior to spraying the mixture.

Consult the “**Adjuvants**” section of this label for recommendations when applying Resicore alone or in tank mixtures to emerged field corn. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another). Do not apply Resicore tank mixtures to emerged yellow popcorn or severe crop injury may occur.

Resicore Programs for Glyphosate Tolerant Corn

- **Resicore Preemergence Followed by Glyphosate Postemergence:**

Resicore may be applied preemergence at a rate as low as 1.8 quarts per acre as part of a two-pass weed control system when followed by a postemergence application of a glyphosate product, such as Durango™ DMA, that is registered for use in glyphosate tolerant field corn. Use higher Resicore rates, up to the maximum amounts listed by soil type in Table 3, if there is a history of glyphosate-resistant weeds in the field. Atrazine may also be tank mixed with Resicore to improve broadleaf and grass weed control. When used in this way, Resicore will provide reduced competition from the weeds listed in Tables 4 and 5 for a period of 30 or more days,

improving the timing flexibility and effectiveness of the follow-up glyphosate application. Follow all use directions and restrictions on the glyphosate and atrazine product labels.

- **Resicore + Glyphosate Tank Mixture Applied Postemergence:**

Resicore may be applied postemergence at a rate as low as 1.25 quarts per acre in a tank mixture with a solo glyphosate product, such as Durango DMA, that is registered for use in glyphosate tolerant field corn. To minimize weed competition effects on the crop, apply this mixture to 1 to 2 inch tall weeds and before the corn reaches 11 inches in height. If the glyphosate product includes an adjuvant system (does not call for additional adjuvants), only spray-grade ammonium sulfate (AMS) at 8.5 lbs. per 100 gallons should be added to this tank mixture. If the glyphosate product label calls for an adjuvant in addition to AMS, add a non-ionic surfactant (NIS) at 0.25% v/v and AMS to the mixture. Do not add urea ammonium nitrate (UAN), crop oil concentrate (COC), or methylated seed oil (MSO) type adjuvants to the mixture or crop injury may occur. Follow all use directions and restrictions on the glyphosate product label.

Resicore Programs for Glufosinate Tolerant Corn

- **Resicore Preemergence Followed by Glufosinate Postemergence:**

Resicore may be applied preemergence at rate as low as 1.8 quarts per acre as part of a two-pass weed control system when followed by a postemergence application of a glufosinate product that is registered for use in glufosinate tolerant field corn. Use higher Resicore rates, up to the maximum amounts listed by soil type in Table 3, if there is a history of glufosinate-resistant weeds in the field. Atrazine may also be tank mixed with Resicore to improve broadleaf and grass weed control. When used in this way, Resicore will provide reduced competition from the weeds listed in Tables 4 and 5 for a period of 30 or more days, improving the timing flexibility and effectiveness of the follow-up glufosinate application. Follow all use directions and restrictions on the glufosinate and atrazine product labels.

- **Resicore + Glufosinate Tank Mixture Applied Postemergence:**

Resicore may be applied postemergence at a rate as low as 1.25 quarts per acre in tank mixture with a solo glufosinate product that is registered for use in glufosinate tolerant field corn. To minimize weed competition effects on the crop, apply this mixture to 1 to 2 inch weeds and before the corn reaches 11 inches in height. Ammonium sulfate (AMS) may be added at 8.5 lbs. per 100 gallons as a spray adjuvant as directed on the glufosinate product label but AMS should be the only adjuvant added to this tank mixture. Do not add urea ammonium nitrate (UAN), crop oil concentrate (COC), or methylated seed oil (MSO) type adjuvants to the mixture or crop injury may occur. Follow all use directions and restrictions on the glufosinate product label.

Cultivation

If weeds develop, a shallow cultivation or rotary hoeing will generally result in improved weed control. If Resicore was incorporated, cultivate at less than half the depth of incorporation.

If cultivation is necessary due to soil crusting, compaction, or escaped weeds, adjust equipment to a shallow depth and minimize soil movement. This will decrease the possibility of diluting or moving the herbicide from the weed control zone.

Weeds Controlled

Resicore applied as directed in this label will control or suppress the weeds listed in Tables 4 and 5. Additional weeds may be controlled with tank mixtures. See the "**Resicore Tank Mix Combinations**" section of this label for recommended tank mix combinations. Always consult the tank mix product labels for specific use rates and directions. Always follow the most restrictive label when tank mixing Resicore with another product. Resicore may be tank mixed with any other registered corn product as long as compatibility is verified and tank mixing is not prohibited by the tank mix product label.

Table 4: Weeds Controlled or Partially Controlled by Preplant or Preemergence Applications of Resicore.

Grasses and Sedges	C = Control PC = Partial Control	Broadleaves	C = Control PC = Partial Control
Barnyardgrass	C	Amaranth, Palmer	C*
Crabgrass species	C	Amaranth, Powell	C
Crowfootgrass	C	Amaranth, spiny	C
Cupgrass, prairie	C	Bedstraw, catchweed	PC*
Cupgrass, Southwestern	C	Beggarweed, Florida	C
Cupgrass, woolly	PC	Buckwheat, wild	C*
Foxtail, bristly	C	Buffalobur	C
Foxtail, giant	C	Carpetweed	C
Foxtail, green	C	Chickweed, common	C
Foxtail, robust (purple, white)	C	Clover, red	C
Foxtail, yellow	C	Cocklebur, common	C*
Goosegrass	C	Deadnettle, purple	C
Johnsongrass, seedling	PC	Devil's-claw	C
Millet, foxtail	C	Galinsoga	C
Millet, wild proso	PC	Groundcherry, annual	PC*
Nutsedge, yellow	C	Groundcherry, cutleaf	PC*
Oat, wild	PC*	Henbit	C
Panicum, browntop	C	Horseweed (marestail)	C
Panicum, fall	C	Jimsonweed	C
Panicum, Texas	PC	Kochia	C*
Rice, red	C	Lambsquarters, common	C
Sandbur, field	PC	Mallow, Venice	C
Shattercane	PC	Morningglory, entireleaf	C*
Signalgrass, broadleaf	C*	Morningglory, ivyleaf	C*
Signalgrass, narrowleaf	C	Morningglory, pitted	C*
Sprangletop, red	C	Morningglory, tall	C*
Starbur, bristly	C	Mustard, wild	C
Wheat, volunteer	PC*	Nightshade, black	C
Witchgrass	C	Nightshade, eastern black	C
		Nightshade, hairy	C
		Pigweed, redroot	C
		Pigweed, smooth	C
		Pigweed, tumble	C
		Puncturevine	C*
		Purslane, common	C
		Pusley, Florida	C
		Radish, wild	C
		Ragweed, common	C
		Ragweed, giant	C*
		Sesbania, hemp	C

	Shepherd's-purse	C
	Sicklepod	C*
	Sida, prickly	PC*
	Smartweed, ladysthumb	C
	Smartweed, Pennsylvania	C
	Sunflower, common	C*
	Velvetleaf	C
	Waterhemp, common	C*
	Waterhemp, tall	C*
	Wormwood, biennial	C*

*The addition of atrazine at specified label rates may improve control.

Thoroughly till soil or make an application of a burndown herbicide to control germinating and emerged weeds. Plant crop immediately after tillage.

If a significant rainfall does not occur within 7 days after application, weed control may be reduced. If irrigation is available, apply 0.25-0.75 inch of water. If irrigation is not available, a uniform shallow cultivation is recommended as soon as weeds emerge.

Table 5: Weeds Controlled or Partially Controlled by Postemergence Applications of Resicore.

Grasses and Sedges	C = Control PC = Partial Control	Broadleaves	C = Control PC = Partial Control
Crabgrass, large ¹	C*	Amaranth, Palmer	C*
Nutsedge, yellow	PC*	Amaranth, Powell	C
Signalgrass, broadleaf ¹	C*	Amaranth, spiny	C
		Alfalfa, volunteer (seedling)	PC*
		Atriplex	C
		Beans, volunteer	C*
		Bedstraw, catchweed	PC*
		Beggarweed, Florida	C
		Buckwheat, wild	C*
		Buffalobur	C
		Burcucumber	PC*
		Carpetweed	C
		Carrot, wild	PC*
		Chickweed, common	C
		Clover species	C
		Cocklebur, common	C
		Dandelion, common	PC*
		Deadnettle, purple	C
		Devil's-claw	C
		Dock, curly	PC*
		Galinsoga	C
		Groundcherry, annual	C
		Groundcherry, cutleaf	C

	Hemp	C
	Henbit	C
	Horsenettle	C*
	Horseweed (marestail)	C*
	Jimsonweed	C
	Knotweed, prostrate	PC
	Kochia	C*
	Lambsquarters, common	C
	Lentils, volunteer	C*
	Mallow, Venice	C*
	Morningglory, entireleaf	C*
	Morningglory, ivyleaf	C*
	Morningglory, pitted	C*
	Morningglory, tall	C*
	Mustard, wild	C
	Nightshade, black	C
	Nightshade, eastern black	C
	Nightshade, hairy	C
	Peas, volunteer	C*
	Pigweed, redroot	C
	Pigweed, smooth	C
	Pigweed, tumble	C
	Pokeweed	C*
	Potatoes, volunteer	C
	Prickly lettuce	PC
	Purslane, common	C
	Pusley, Florida	C
	Radish, wild	C
	Ragweed, common	C*
	Ragweed, giant	C*
	Sesbania, hemp	C
	Shepherd's-purse	C
	Sicklepod	PC*
	Sida, prickly	C*
	Smartweed, ladysthumb	C*
	Smartweed, Pennsylvania	C*
	Soybean, volunteer	C
	Sunflower, common	C*
	Thistle, Canada	C*
	Velvetleaf	C
	Waterhemp, common	C*
	Waterhemp, tall	C*
	Wormwood, biennial	C*

*The addition of atrazine at specified label rates may improve control.

¹Apply before the weed exceeds 2 inches in height.

Resicore will not provide consistent control of emerged grass weeds. For control of emerged grass weeds, a grass herbicide tank mixture may be required (see **"Resicore Tank Mix Combinations"** section of this label). Tank mixtures with atrazine can improve control of emerged annual grass and broadleaf weeds. Refer to atrazine product labels for use directions, restrictions, and weeds controlled.

Appendix I

Dry Bulk Fertilizer Impregnation

Impregnation of bulk fertilizer is restricted to commercial facilities. On-farm fertilizer impregnation is prohibited. No more than 500 tons of bulk fertilizer can be impregnated per day. No single facility may impregnate fertilizer with this product for more than 30 days per calendar year.

The commercial facility impregnating the dry bulk fertilizer must inform, in writing, the user (applicator) of the dry bulk fertilizer that:

- Applicator must wear long-sleeved shirt, long pants, shoes, and socks
- The restricted entry interval is 12 hours.

All individual state regulations relating to dry bulk fertilizer blending, registration, labeling and application are the responsibility of the individual and/or company selling the Resicore.

Dry bulk fertilizers (Table 6) may be impregnated with this product or the tank mixtures of this product on corn. This product and these tank mixtures must be applied with 200 to 450 pounds of dry bulk fertilizer per acre and shallowly incorporated within 14 days prior to planting. On medium- and fine-textured soils in areas where incorporation is not planned (i.e., reduced tillage situations or in some conventional tillage situations), applications can be made up to 30 days before planting to allow moisture to move the herbicide-fertilizer mixture into the soil. On coarse-textured soils, applications can be made up to 14 days prior to planting. When applying Resicore alone or in tank mixes with dry bulk fertilizers, follow all directions for use and precautions on the respective tank mix product labels regarding rates, soil type, application methods and rotational restrictions. Refer to the table for broadcast rate per acre to determine the application rate per acre for the herbicide treatment to be applied.

Table 6: Approved Dry Fertilizer Ingredients for Use with Resicore.

Fertilizer	N	P	K
Ammonium Phosphate-Sulfate	16	20	0
Ammonium Sulfate	21	0	0
Diammonium Phosphate	18	46	0
Monoammonium Phosphate	11	56	0
Potassium Chloride	0	0	60
Potassium Sulfate	0	0	52
Urea [†]	45	0	0

[†] Some ureas may be phytotoxic when high rates are applied to corn. Use only urea rates known to be safe for corn application.

For impregnating the pesticides on dry fertilizers, use an appropriate mixer equipped with suitable spraying equipment. The spray nozzles should be positioned inside the mixer to provide uniform spray coverage of the tumbling fertilizer. The Resicore should be sprayed uniformly onto the fertilizer using a fine spray pattern. Tank mix components may be applied as separate ingredients with powders and dry flowables added first or they may be mixed in a slurry in the proper ratio and added jointly. Resicore may also be impregnated on the go and applied with pneumatic applicators.

The following table provides a reference to determine the amount of Resicore to be mixed per ton of dry bulk fertilizer for a range of herbicide and fertilizer rates per acre.

Table 7: Resicore Fertilizer Impregnation Rate Conversions.

Fertilizer Rate (lbs/acre)	Acres Covered (per ton)	Quarts of Resicore per Ton of Fertilizer to Deliver:			
		2.25 qts/acre	2.50 qts/acre	2.75 qts/acre	3.00 qts/acre
200	10.0	22.5	25.0	27.5	30.0
250	8.0	18.0	20.0	22.0	24.0
300	6.7	15.1	16.8	18.4	20.1
350	5.7	12.8	14.3	15.7	17.1
400	5.0	11.3	12.5	13.8	15.0
450	4.5	10.1	11.3	12.4	13.5

To determine the amount of Resicore needed for other fertilizer rates, use the following formula:

$$\frac{\text{Resicore rate (quarts/acre)} \times 2000}{\text{Pounds of fertilizer/acre}} = \text{Quarts of Resicore per ton of fertilizer}$$

If the herbicide/fertilizer mixture is too wet, use of a drying agent is required to provide a dry, free-flowing mixture. For mixtures to be used in spinning-disc applicators, Micro-Cel E calcium silicate powder (Manville, Filtration & Minerals) is recommended for use as a drying agent. Mixtures to be used in pneumatic applicators should use Micro-Cel E or Agsorb 16/30 RVM-MS granular clay (Oil-Dri Corporation). The drying agents should be added separately and uniformly to the prepared pesticide/fertilizer mixture, in a quantity that is sufficient to provide a suitable free-flowing mixture. Generally, less than 2% Micro-Cel E or 5% Agsorb 16/30 RVM-MS by weight is required.

Precaution: To avoid potential for explosion, do not impregnate Resicore on ammonium sorbate nitrate, potassium nitrate, or sodium nitrate fertilizer or fertilizer blends. Do not impregnate on single (0-20-0) or triple (0-46-0) super phosphate. Do not impregnate on agricultural limestone because Resicore will not be absorbed.

Appendix II

Tank Mix Compatibility Test

Complete a compatibility test before tank mixing to ensure compatibility of Resicore with other pesticides. The following test assumes a spray volume of 25 gallons per acre. For other spray volumes, make appropriate changes in the ingredients.

Note: Nitrogen solutions or complete liquid fertilizers, excluding suspension fertilizers, may replace all or part of the water in the spray. Because liquid fertilizers vary, even within the same analysis, **always check compatibility with pesticide(s) before use.** Incompatibility of tank mixtures is more common with mixtures of fertilizer and pesticides.

Test Procedure:

1. Add 1.0 pint of carrier (fertilizer or water) to each of two one quart jars with tight lids. **Note:** Use the same source of water that will be used for the tank mix and conduct the test at the temperature the tank mix will be applied.
2. To one of the jars, add ¼ teaspoon or 1.2 milliliters of a compatibility agent approved for this use, such as Compex or Unite (1/4 teaspoon is equivalent to 2.0 pints per 100 gallons of spray). Shake or stir gently to mix.
3. To both jars, add the appropriate amount of pesticide(s) in their relative proportions based on specified label rates. If more than one pesticide is used, add them separately with dry pesticides first, flowables next, and emulsifiable concentrates last. After each addition, shake or stir gently to thoroughly mix.
4. After adding all ingredients, put lids on and tighten and invert each jar ten times to mix. Let the

mixtures stand 15-30 minutes and then look for separation, large flakes, precipitates, gels, heavy oily film on the jar, or other signs of incompatibility. Determine if the compatibility agent is needed in the spray mixture by comparing the two jars. If either mixture separates, but can be remixed readily, the mixture can be sprayed as long as good agitation is used. If the mixtures are incompatible, test the following methods of improving compatibility: (a) slurry the dry pesticide(s) in water before addition, or (b) add ½ the compatibility agent to the fertilizer or water and the other ½ to the emulsifiable concentrate or flowable pesticide before addition to the mixture. If incompatibility is still observed, do not use the mixture.

5. After compatibility testing is complete, dispose of any pesticide wastes in accordance with the **Storage and Disposal** section of this label.

Procedure for Testing the Compatibility of Resicore and Tank Mixes with Fluid Fertilizers

Since fluid fertilizers vary, the following procedure is suggested for determining whether Resicore may be combined with a specific fluid fertilizer for spray tank application.

Materials Needed:

- Resicore and any tank mix products.
- Fluid fertilizer to be used.
- Adjuvant for fertilizer tank mix: Use any adjuvant cleared for use on growing crops under 40 CFR 180.1001 to improve the compatibility of Resicore with fluid fertilizers. The adjuvant that provides the best emulsification depends on the specific fertilizer under consideration.
- Two 1 quart, wide mouth glass jars with lid or stopper.
- Measuring spoons (a 25-ml pipette or graduated cylinder provides more accurate measurement).
- Measuring cup, 8 ounces (257 ml).

Procedure:

1. Pour a pint (about 473 ml) of the fluid fertilizer into each of the quart jars.
2. Add Resicore and any tank mix combination to the jars. The order of addition is wettable powders first with mixing, followed by flowables with mixing and the EC's last. The rate of wettable powders and dry flowables is 1½ teaspoon per pound of product per acre to be applied. EC's should be added at the rate of ½ teaspoon for each pint per acre to be applied. Premixing the wettable powders in 1 ounce of water before adding to the pint of fluid fertilizer will improve the compatibility of the final mixture.
3. Add 1/2 teaspoon (2 ml) adjuvant to one of the jars, label it as "with", and mix. The rate of ½ teaspoon per pint is equal to 3 pints of adjuvant per 100 gallons of fluid fertilizer.
4. Close both jars with lids or stoppers and mix the contents by turning the jars upside down ten times.
5. Inspect the surface and body of the mixtures:
 - (a) Immediately after completing the jar inversions
 - (b) After allowing the jars to stand quietly for 30 minutes
 - (c) And then again after turning the jars upside down 10 times after the 30 minute inspection

Evaluation:

If either mixture remains uniform for 30 minutes, the combination may be used. Should either mixture separate after 30 minutes, but readily remix uniformly with 10 jar inversions, the mixture can be used if adequate agitation is maintained in the tank. If the mixture with adjuvant is satisfactory but the mixture without adjuvant is not, be sure to use the adjuvant in the spray tank. Add the adjuvant first at a rate of 3 pints per 100 gallons of fluid fertilizer. Foaming may be minimized by using only moderate agitation. **If non-dispersible oil, sludge, or clumps of solids form in the mixtures, the combination should not be used.**

Terms and Conditions of Use

If terms of the following Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. To the extent permitted by law, otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies.

Warranty Disclaimer

Dow AgroSciences warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. To the extent permitted by law, Dow AgroSciences MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Dow AgroSciences or the seller. To the extent permitted by law, all such risks shall be assumed by buyer.

Limitation of Remedies

To the extent permitted by law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Dow AgroSciences' election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used.

To the extent permitted by law, Dow AgroSciences shall not be liable for losses or damages resulting from handling or use of this product unless Dow AgroSciences is promptly notified of such loss or damage in writing. To the extent permitted by law, in no case shall Dow AgroSciences be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer, Inherent Risks of Use and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Dow AgroSciences or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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Dow AgroSciences

Dow AgroSciences LLC
9330 Zionsville Road Indianapolis, IN 46268 USA

www.dowagro.com

308/2E
January 21, 2016

JAN 21 2016

Document Processing Desk (ESUB)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

Attention: Reuben Baris/PM-25 (7505P)

RESICORE (AI: ACETOCHLOR + MESOTRIONE + CLOPYRALID)
EPA REGISTRATION NUMBER: 62719-693
SUBMISSION OF AMENDED MAIN LABELING

Enclosed is proposed amended labeling for Resicore™ herbicide, containing the active ingredients acetochlor, mesotrione, and clopyralid, based on EPA stamped accepted labeling dated January 6, 2016. As we discussed this morning, the proposed amended labeling changes include the removal of use of Resicore for weed control in sweet corn, and a correction of a typo in the Limitation of Remedies section.

Contents of Submission:

- Transmittal document (this letter)
- EPA Form 8570-1, Application for Pesticide
- EPA Form 8570-27, Formulator's Exemption Statement
- Label entitled Resicore (T3B/ Resicore / Amend with edits/01-21-16)
28 Pages (Resicore-693 21Jan16dW-Ed.pdf)
- Label entitled Resicore (T3B/ Resicore / Amend/01-21-16)
28 (062719-00693.20160121.Resicore-693 21Jan16d.pdf)

If you require additional information, please contact Nestor Algarin, Registration Specialist for this product, at 317-337-5148 (nalgarin@dow.com) or Kim Williamson, Registration Assistant, at 317-337-4657 (kmwilliamson@dow.com).

Sincerely,

Jim Baxter
Regulatory Leader – Regulatory Affairs
317-337-4388
jpbaxter@dow.com



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☒ Amendment
☐ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number Dow AgroSciences/62719-693	2. EPA Product Manager Reuben Baris (7505P)	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Dow AgroSciences/ Resicore	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input checked="" type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Proposed amended labeling for Resicore™ herbicide, containing the active ingredients acetochlor, mesotrione, and clopyralid, based on EPA stamped accepted labeling dated January 6, 2016. As we discussed this morning, the proposed amended labeling changes include the removal of use of Resicore for weed control in sweet corn, and a correction of a typo in the Limitation of Remedies section.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container	Other (Specify) _____
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 2 x 2.5 gal; Bulk Tank		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Jim Baxter		Title Regulatory Manager		Telephone No. (Include Area Code) (317) 337-4388 (fax: 317-337-4649)	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					8. Date Application Received (Stamped) JAN 21 2016
2. Signature 		3. Title Regulatory Manager			
4. Typed Name Jim Baxter		5. Date January 21, 2016			



United States
Environmental Protection Agency
Washington, DC 20460
Formulator's Exemption Statement
(40 CFR 152.85)

Applicant's Name and Address Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46168	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px 5px;">EPA File Symbol/Registration Number</td> <td style="padding: 2px 5px;">62719-693</td> </tr> <tr> <td style="padding: 2px 5px;">Product Name</td> <td style="padding: 2px 5px;">Resicore</td> </tr> <tr> <td style="padding: 2px 5px;">Date of Confidential Statement of Formula (EPA Form 8570-4)</td> <td style="padding: 2px 5px;">03/11/2015</td> </tr> </table>	EPA File Symbol/Registration Number	62719-693	Product Name	Resicore	Date of Confidential Statement of Formula (EPA Form 8570-4)	03/11/2015
EPA File Symbol/Registration Number	62719-693						
Product Name	Resicore						
Date of Confidential Statement of Formula (EPA Form 8570-4)	03/11/2015						

As an authorized representative of the applicant for registration of the product identified above, I certify that:

(1) This product contains the following active ingredient(s):

Acetochlor, Mesotrione, Clopyralid

(2) Of these, each active ingredient listed in paragraph (4) is present solely as the result of the use of that active ingredient in the manufacturing, formulation or repackaging another product which contains that active ingredient which is registered under FIFRA Section 3, is purchased by us from another person and meets the requirements of 40 CFR section 158.50(e)(2) or (3).

(3) Indicate by checking (A) or (B) below which paragraph applies:

☐ (A) An accurate Confidential Statement of Formula (EPA FORM 8570-4) for the above identified product is attached to this statement. That formula statement indicates, by company name, registration number, and product name, the source of the active ingredient(s) listed in paragraph (1).

OR

☒ (B) The Confidential Statement of Formula (CSF)(EPA Form 8570-4) referenced above and on file with the EPA is complete, current, an accurate and contains the information required on the current CSF.

(4) The following active ingredients in this product qualify for the formulator's exemption.

Source		
Active Ingredient	Product Name	Registration Number
Acetochlor	<div style="background-color: black; width: 100%; height: 1.2em;"></div>	<div style="background-color: black; width: 100%; height: 1.2em;"></div>
Mesotrione	<div style="background-color: black; width: 100%; height: 1.2em;"></div>	<div style="background-color: black; width: 100%; height: 1.2em;"></div>
Signature 	Name and Title Jim Baxter, Regulatory Manager	Date 01/21/2016

EPA Form 8570-27 (Rev. 06-2004)

Copy 1 - EPA
Copy 2 - Applicant copy

*Product source information may be entitled to
confidential treatment*

PROCESSING REQUEST

Reg # 62719-693 Decision # 503495

Description: New Product

Electronic Label & Letter
(see PPLS):

OR

Non Electronic
Label & Letter
(Scanning required):

☒ Dated: 1-6-16

☐ Dated:

Only one label type should be selected

Other Materials Sent (see jacket):

☒ New CSF(s) Dated: 3-11-15

☐ Other:

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer: Emily Schmid

Division: RD/HB

Phone: 347-0189

Date: ~~1-6-16~~
2/23/16.



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

EPA Reg. Number:

62719-693

Date of Issuance:

1/6/16

Term of Issuance:

Conditional

Name of Pesticide Product:

Resicore Herbicide

Name and Address of Registrant (include ZIP Code):

Jim Baxter
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Continued on page 2

Signature of Approving Official:

Reuben Baris for

Reuben Baris, Product Manager 25
Herbicide Branch, Registration Division (7505P)

Date:

1/6/16

2. You are required to comply with the data requirements described in the DCI Order identified below:

- a. Mesotrione GDCI-122990-1474

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Chemical Review Manager in the Pesticide Re-Evaluation Division: http://www.epa.gov/oppsrrd1/contacts_prd.htm

3. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.
4. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 62719-693."
5. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSF:

- Basic CSF dated 3/11/2015

If you have any questions, please contact Emily Schmid by phone at 703-347-0189, or via email at schmid.emily@epa.gov.

Enclosure

(Base label):

ResicoreTM
HERBICIDE

ACCEPTED

01/06/2016

Under the Federal Insecticide, Fungicide
 and Rodenticide Act as amended, for the
 pesticide registered under
 EPA Reg. No. 62719-693

A herbicide for control of annual grasses and broadleaf weeds in field corn, field seed corn, field silage corn, sweet corn, and yellow popcorn.

Group	15	27	4	HERBICIDES
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Active Ingredients:

acetochlor: 2-chloro-N-ethoxymethyl-N-(2-ethyl-6-methylphenyl)acetamide.....	31.0%
mesotrione: 2-[4-(methylsulfonyl)-1,3-cyclohexanedione].....	3.3%
clopyralid MEA salt: 3,6-dichloropyridinecarboxylic acid, monoethanolamine salt.....	2.7%
Other Ingredients:	63.0%
Total	100.0%

Contains 336 grams/liter or 2.8 pounds/gallon acetochlor, 36 grams/liter or 0.30 pounds/gallon mesotrione, and 22.4 grams/liter or 0.19 pounds/gallon clopyralid, acid equivalent (3,6-dichloropyridinecarboxylic acid).

Not for Sale, Sale Into, Distribution and/or Use in Nassau and Suffolk Counties of New York State.

Keep Out of Reach of Children

CAUTION PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Precautionary Statements

Hazards to Humans and Domestic Animals

Harmful If Swallowed or Absorbed Through Skin • Causes Moderate Eye Irritation • Prolonged or Frequently Repeated Skin Contact May Cause Allergic Reactions in Some Individuals

Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls: When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(5)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands thoroughly after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

First Aid

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 day or night, for emergency treatment information.

Environmental Hazards

This pesticide is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

Acetochlor demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the groundwater is shallow, may result in groundwater contamination.

Clopyralid is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this product where soils are permeable, particularly where the water table is shallow, may result in leaching to ground water.

Surface Water Advisory

Mesotrione may contaminate water through drift of spray in wind. This product has a high potential for runoff for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and

springs will reduce the potential for contamination of water from runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion control practices will reduce this product's contribution to surface water contamination.

Acetochlor has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to the label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Nonrefillable containers 5 gallons or less:

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Store in original container only. Keep container closed when not in use. Do not store near food or feed. In case of spill or leak on floor or paved surfaces, soak up with vermiculite, earth, or synthetic absorbent.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Refillable containers larger than 5 gallons:

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Store in original container only. Keep container closed when not in use. Do not store near food or feed. In case of spill or leak on floor or paved surfaces, soak up with vermiculite, earth, or synthetic absorbent.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Container Handling: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

Nonrefillable containers larger than 5 gallons:**Storage and Disposal**

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Refer to label booklet for Directions for Use.

Notice: Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies at end of label booklet. If terms are not acceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-XXX

EPA Est. _____

®™ Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

Produced for
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

NET CONTENTS ____

(cover/shipping container)

ResicoreTM

HERBICIDE

A herbicide for control of annual grasses and broadleaf weeds in field corn, field seed corn, field silage corn, sweet corn, and yellow popcorn.

Group	15	27	4	HERBICIDES
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Active Ingredients:

acetochlor: 2-chloro-N-ethoxymethyl-N-(2-ethyl-6-methylphenyl)acetamide.....	31.0%
mesotrione: 2-[4-(methylsulfonyl)-1,3-cyclohexanedione].....	3.3%
clpyralid MEA salt: 3,6-dichloropyridinecarboxylic acid, monoethanolamine salt.....	2.7%
Other Ingredients:	63.0%
Total	100.0%

Contains 336 grams/liter or 2.8 pounds/gallon acetochlor, 36 grams/liter or 0.30 pounds/gallon mesotrione, and 22.4 grams/liter or 0.19 pounds/gallon clpyralid, acid equivalent (3,6-dichloropyridinecarboxylic acid).

Not for Sale, Sale Into, Distribution and/or Use in Nassau and Suffolk Counties of New York State.

Keep Out of Reach of Children

CAUTION PRECAUCION

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Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to the label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to label booklet for Directions for Use.

Notice: Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies at end of label booklet. If terms are not acceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719XXX

EPA Est. _____

®TMTrademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

Produced for
Dow AgroSciences LLC
9330 Zionsville Road

Indianapolis, IN 46268

NET CONTENTS __

(Page 1 through end):

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Harmful If Swallowed or Absorbed Through Skin • Causes Moderate Eye Irritation • Prolonged or Frequently Repeated Skin Contact May Cause Allergic Reactions in Some Individuals

Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls: When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(5)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands thoroughly after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

First Aid

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 day or night, for emergency treatment information.

Environmental Hazards

This pesticide is toxic to fish. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

Acetochlor demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the groundwater is shallow, may result in groundwater contamination.

Clopyralid is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this product where soils are permeable, particularly where the water table is shallow, may result in leaching to ground water.

Surface Water Advisory

Mesotrione may contaminate water through drift of spray in wind. This product has a high potential for runoff for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion control practices will reduce this product's contribution to surface water contamination.

Acetochlor has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read all Directions for Use carefully before applying.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. **Exception:** If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls

- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Store in original container only. Keep container closed when not in use. Do not store near food or feed. In case of spill or leak on floor or paved surfaces, soak up with vermiculite, earth, or synthetic absorbent.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Nonrefillable containers 5 gallons or less:

Container Handling: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Refillable containers larger than 5 gallons:

Container Handling: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

Nonrefillable containers larger than 5 gallons:

Container Handling: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Product Information

For use only on field corn, field seed corn, field silage corn, sweet corn, and yellow popcorn, which collectively will be referred to as "corn" in this label.

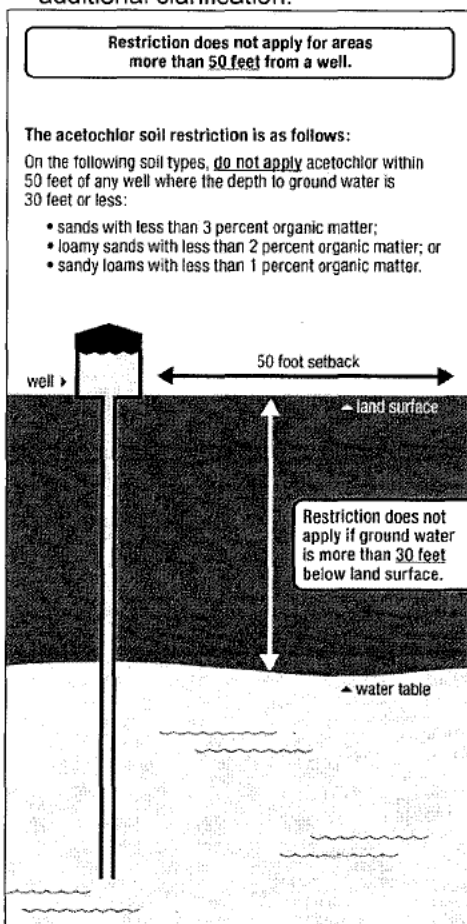
Resicore™ herbicide may be used preplant, preemergence (after planting but prior to crop emergence), or postemergence (after crop emergence) in field corn, field seed corn, and field silage corn fields. For sweet corn and yellow popcorn, Resicore must be applied prior to crop emergence (i.e., preplant or preemergence) or severe crop injury may occur.

Resicore is a combination of the herbicides acetochlor (group 15), mesotrione (group 27), and clopyralid (group 4), plus the crop safener furilazole. This combination of three herbicide modes of action controls many grass and broadleaf weeds by interfering with normal germination, growth, and seedling development. When applied after weed emergence, Resicore will provide control of many broadleaf weed species but will not provide consistent control of emerged grass weeds. Resicore may be used in tank mix combinations with other herbicides registered for use on the above corn crops to enhance or broaden the spectrum of control of weeds listed in the "Weeds Controlled" section of this label (Tables 4 and 5).

Use Restrictions

- **Not for Sale, Sale Into, Distribution and/or Use in Nassau and Suffolk Counties of New York State.**
- All containers of Resicore must be kept tightly closed when not in use.
- Observe all restrictions, precautions, and limitations on the label of each product used in tank mixtures.
- Resicore must be used in a manner that will prevent back siphoning into wells, spills, or improper disposal of excess pesticide, spray mixtures, or rinsates.
- Do not store Resicore near seeds, fertilizers, or foodstuffs.
- Do not allow Resicore to contaminate feed or food.
- Do not use Resicore on any crop other than field corn (for grain, seed, or silage), sweet corn, or yellow popcorn.
- Do not use Resicore in the production of white popcorn or ornamental (Indian) corn or crop injury may occur.
- Do not apply Resicore to sweet corn or yellow popcorn after the crop has emerged or severe crop injury may occur.
- Do not make postemergence applications of Resicore to field corn, field seed corn, or field silage corn using liquid fertilizer as the carrier or severe crop injury may occur.
- Do not make postemergence (emerged corn) applications of Resicore in a tank mix with any organophosphate or carbamate insecticide or severe crop injury may occur.
- Do not apply Resicore to field corn, field seed corn, and field silage corn over 11 inches tall.

- Do not contaminate irrigation water used for crops other than corn or water used for domestic purposes.
- On the following soil types, do not apply this product within 50 feet of any well where the depth to groundwater is 30 feet or less: sands with less than 3% organic matter; loamy sands with less than 2% organic matter; or sandy loams with less than 1 percent organic matter. See the figure for additional clarification.



This product must not be mixed or loaded, or used within 50 feet of all wells, including abandoned wells, drainage wells, and sinks holes. Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or washwater, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self-contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specified minimum containment capacities do not apply to vehicles when

delivering pesticide shipments to the mixing/loading site. Additional State imposed requirements regarding well-head setbacks and operational area containment must be observed.

- Do not apply this product through any type of irrigation system.
- Use a sprinkler irrigation system only to incorporate Resicore after application. After Resicore has been applied, a sprinkler irrigation system set to deliver 0.5-1.0 inch of water may be used to incorporate the product; using more than one inch of water could result in reduced performance. On sandy soils low in organic matter, apply no more than 0.5 inch of water.
- Do not use flood or furrow irrigation to incorporate this product.
- Do not apply under conditions that favor runoff or wind erosion of soil containing this product to non-target areas. To prevent off-site movement due to runoff or wind erosion:
 - Avoid treating powdery dry or light sandy soils when conditions are favorable for wind erosion. Under these conditions, the soil surface should first be settled by rainfall or irrigation.
 - Do not apply to impervious substrates such as paved or highly compacted surfaces or frozen or snow covered soils.
 - Do not use tailwater from the first flood or furrow irrigation of treated fields to treat non-target crops unless at least 1/2 inch of rainfall has occurred between application and the first irrigation.
- **Aerial Application:** Do not apply Resicore using aerial application equipment unless otherwise directed by approved supplemental labeling in possession of the user at the time of application.
- Do not apply when wind conditions favor drift to non-target sites. To minimize spray drift to non-target areas:
 - Use low-pressure application equipment capable of producing a large droplet spray.
 - Do not use nozzles that produce a fine droplet spray.
 - Minimize drift by using sufficient spray volume to ensure adequate coverage with large droplet size sprays.
 - Keep ground-driven spray boom as low as possible above the target surface at the minimum specified height required for uniform spray coverage with the spray nozzle used.
 - Make application when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph.
 - Do not apply when wind gusts approach 15 mph.
 - Low humidity and high temperatures increase the likelihood of spray drift to sensitive areas. Do not spray during conditions of low humidity and/or high temperatures. Do not apply during inversion conditions.
- Thoroughly clean sprayer or other application equipment before and after use. Do not use a sprayer or applicator contaminated with other materials or crop damage or sprayer clogging of the application equipment may occur.
- **Maximum Acetochlor Application Rates Per Calendar Year:**
When tank mixing or sequentially applying products containing acetochlor with Resicore to corn, do not exceed an application rate of 3.00 pounds active ingredient of acetochlor per acre per year. **Note:** For purposes of calculating total acetochlor active ingredient applied, Resicore contains 2.80 pounds active ingredient acetochlor per gallon (0.70 pound active ingredient acetochlor per quart).
- **Maximum Mesotrione Application Rates Per Calendar Year:**
When tank mixing or sequentially applying products containing mesotrione with Resicore to corn, do not exceed an application rate of 0.24 pound active ingredient of mesotrione per acre per year. **Note:** For purposes of calculating total mesotrione active ingredient applied, Resicore contains 0.30 pound active ingredient mesotrione per gallon (0.075 pound active ingredient mesotrione per quart).

- **Maximum Clopyralid Application Rates Per Calendar Year:**

When tank mixing or sequentially applying products containing clopyralid with Resicore to corn, do not exceed an application rate of 0.25 pound acid equivalent of clopyralid per acre per year. **Note:** For purposes of calculating total clopyralid active ingredient applied, Resicore contains 0.187 pound acid equivalent clopyralid per gallon (0.047 pound acid equivalent clopyralid per quart).

- Do not apply more than 3.25 quarts of Resicore per acre per year.
- Do not make more than two applications of Resicore per year.
- **Preharvest Interval:** Do not apply Resicore within 45 days of harvest for ears and forage or within 60 days of harvest for stover.

Use Precautions

- Acetochlor demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the ground water is shallow, may result in ground water contamination.
- Avoid spray overlap, as crop injury may result.
- Avoid spray drift onto adjacent crop or non-crop areas.
- Resicore will not provide consistent control of emerged grass weeds present at application; utilize tank mixtures or sequential applications of herbicides registered for postemergence control of grass weeds in corn.
- Applying Resicore postemergence (emerged corn) to corn that has received an at-plant application of phorate or terbufos insecticide may result in severe corn injury. Temporary corn injury may occur if Resicore is applied to emerged corn where organophosphate insecticides other than phorate or terbufos were applied at planting.
- Postemergence (emerged corn) applications of any organophosphate or carbamate insecticide within 7 days before or 7 days after a Resicore application may result in severe corn injury.
- Dry weather following preplant or preemergence applications of Resicore or a Resicore tank mixture may reduce effectiveness. If weeds develop, they may be controlled with cultivation or use of registered corn herbicides.
- Where reference is made to weeds partially controlled, partial control can mean erratic or inconsistent control or efficacy at a level below that generally considered acceptable for commercial weed control.
- Applied according to directions and under normal growing conditions, Resicore will not harm the treated crop. During germination and early stages of growth, extended periods of unusually cold and wet or hot and dry weather, insect or plant disease attack, carryover pesticide residues, the use of certain soil-applied systemic insecticides, or improperly placed fertilizers or soil insecticides may weaken crop seedlings and stress crop growth. Resicore used under these conditions could result in crop injury.

Rotational Crop Restrictions:

When Resicore is applied as directed on this label, follow the crop rotation intervals in Table 1. If Resicore is tank mixed or used sequentially with other products, follow the most restrictive product's crop rotation interval.

Table 1: Time Interval between Resicore Application and Replanting or Planting of Rotational Crop

Rotational crop	Rotational Interval
Field corn Field seed corn Field silage corn Sweet corn Yellow popcorn	Anytime (1)
Wheat	4 months
Alfalfa (2) Barley Millet (pearl and proso) Oats Rice Rye Sorghum (3) Soybean (4, 5, 6) Sunflower (4)	10.5 months (7, 8)
All other rotational crops	18 months

- (1) Do not make a second application of Resicore if the original corn crop is lost.
- (2) **California, Idaho, Nevada, Oregon, Utah, and Washington:** 12 months, areas receiving greater than 18 inches of annual rainfall, excluding irrigation; 18 months, areas receiving less than 18 inches of annual rainfall, excluding irrigation. **All other states:** 10.5 months.
- (3) **California, Idaho, Nevada, Oregon, Utah, and Washington:** 12 months. **All other states:** 10.5 months.
- (4) **Florida:** 18 months. **California, Idaho, Nevada, Oregon, Utah, and Washington:** 12 months, areas receiving greater than 18 inches of annual rainfall, excluding irrigation; 18 months, areas receiving less than 18 inches of annual rainfall, excluding irrigation. **All other states:** 10.5 months for soils greater than 2% organic matter AND rainfall more than 15 inches during 12 months following applications; 18 months for soils less than 2% organic matter AND rainfall less than 15 inches during 12 months following applications.
- (5) Injury may occur to soybeans planted the year following application on soils having a calcareous subsurface layer, if products containing atrazine were used at rates above 0.75 lb ai atrazine per acre in tank mixtures and/or sequentially with Resicore.
- (6) In eastern parts of the Dakotas, Kansas, western Minnesota and Nebraska, do not rotate to soybeans for 18 months following application if products containing atrazine were used in tank mixtures and/or sequentially with Resicore and the total atrazine rate applied was more than 2.0 pounds active ingredient per acre, or equivalent band application rate, or soybean injury may occur.
- (7) If Resicore is applied after June 1, rotating to crops other than corn (all types) or grain sorghum the next spring may result in crop injury.

- (8) In the High Plains and Intermountain areas of the West, where rainfall is sparse and erratic or where irrigation is required, use Resicore only when corn (all types) or sorghum is to follow field corn, or a crop of untreated corn (all types) or sorghum is to precede other rotational crops.

Rotation to Non-food Winter Cover Crops

Following harvest of corn treated with Resicore, only non-food or non-feed winter cover crops (with the exception of winter wheat) may be planted. Do not graze or harvest rotational cover crops for food or animal feed for 18 months following the last application of Resicore. This prohibition does not apply to winter wheat, which may be planted 4 months following the last application of Resicore, or to nongrass animal feeds, which may be planted 9 months after the last application of Resicore.

Weed Resistance Management Guidelines

Acetochlor, mesotrione, and clopyralid, the active ingredients in Resicore, are Group 15, Group 27, and Group 4 herbicides, respectively, based on the mode of action classification system of the Weed Science Society of America. Any weed population may contain biotypes naturally tolerant or resistant to Group 15, 27, or 4 herbicides. Such resistant weed plants may not be effectively managed using Group 15, 27, or 4 herbicides but may be effectively managed utilizing another herbicide from a different Group and/or by using cultural or mechanical practices. However, any herbicide mode of action classification by itself may not adequately control specific weed biotypes that are resistant to specific herbicides. Consult your state cooperative extension service, professional consultants, or other qualified authorities to determine appropriate actions for treating specific resistant weeds. Resicore contains three herbicide active ingredients and three modes of action that provide overlapping control for many key weeds and thus can be a very effective component of a weed resistance management strategy.

Best Management Practices

Proactively implementing diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides is recommended. A diversified weed management program may include the use of multiple herbicides and applications with different modes of action and overlapping weed spectrums with or without tillage operations and/or other cultural practices. Research has demonstrated the importance of using full labeled rates and following use recommendations to minimize selection for resistance. Scouting fields after an herbicide application is important because it can facilitate the early detection and identification of weed shifts and/or weed resistance and thus provide direction on future weed management practices. One of the best ways to contain resistant populations is to adjust management practices to prevent weeds from reproducing by seed or vegetative propagules. Cleaning equipment between sites and avoiding movement of plant material between sites may minimize the spread of resistant weed seed.

General principles of herbicide resistance management:

1. Apply integrated weed management practices. Use multiple herbicide modes-of-action with overlapping weed spectrums in rotation, sequences, or mixtures.
2. Use the full specified herbicide rate and proper application timing for the hardest to control weed species present in the field.
3. Scout fields after herbicide application to ensure control has been achieved. Eliminate weed escapes to avoid allowing weeds to reproduce by seed or vegetative propagules.
4. Monitor sites and clean equipment between sites.

For annual cropping situations also consider the following:

- Start with a clean field and control weeds early by using a burndown herbicide treatment or tillage in combination with a soil-applied residual herbicide, as appropriate.
- Use cultural practices such as cultivation and crop rotation, where appropriate.
- Utilize good agronomic principles that enhance crop competitiveness.
- Use new commercial seed that is as free of weed seed as possible.

Report any incidence of repeated non-performance of this product on a particular weed to your

Local Dow AgroSciences representative, retailer, or Extension specialist.

Application Directions

Carriers

Liquids:

- **Preemergence Applications:** Either clean water or liquid fertilizers, excluding suspension fertilizers, may be used as liquid carriers for preplant or preemergence applications of Resicore. If fluid fertilizers are used, a physical compatibility test must be done **before combining** in the spray tank. See Appendix I for details of the compatibility testing procedure. Even if Resicore is physically compatible with a fluid fertilizer, constant agitation is necessary to maintain a uniform mixture during application.
- **Postemergence Applications:** Use only clean water as the carrier when applying Resicore after field corn emergence; do not make postemergence applications using liquid fertilizer as the carrier or severe crop injury may occur. Do not apply Resicore to emerged sweet corn or yellow popcorn or severe crop injury may occur.

Dry Bulk Fertilizer: Resicore may be impregnated on dry bulk fertilizer and applied as the fertilizer is spread. See **Appendix I** for directions and restrictions including which fertilizers are compatible.

Adding Resicore to the Spray Tank

The spray tank must be clean, thoroughly rinsed and decontaminated before adding either Resicore alone or with tank mix combinations. If water is used as the carrier, use clean water.

Resicore Applied Alone: When Resicore is used alone, add the specified amount of Resicore to the spray tank when the tank is half filled with carrier and then add the rest of the water or fluid fertilizer. Provide sufficient agitation during mixing and application to maintain a uniform mixture.

Resicore Applied in Tank Mixtures: Refer to the sections of this label for recommended tank mixes. Always refer to labels of the tank mix partners for mixing directions and precautions. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another). Do not exceed label dosage rates nor combined maximum seasonal doses for acetochlor, mesotrione, or clopyralid. Resicore cannot be mixed with any product bearing a label prohibition against such mixing. If a tank mixture is used, a compatibility test must be done. See **Appendix II** for details on the procedure for such a test.

If the tank mix partner is compatible, fill the tank half full of carrier. Start and continue agitation throughout mixing and spraying operation. All return lines to the spray tank must discharge below the liquid level to prevent foaming. Prepare the tank mix components and add them in the following order by formulation type:

1. If a wettable powder or dry flowable formulation is used, make a slurry with water and add it slowly through the screen into the tank. Agitate during the procedure.
2. If a flowable formulation is used, add slowly through screen into the tank. Mixing and compatibility may be improved when the flowable is diluted with water before adding to the tank.
3. Add Resicore.
4. Add any other tank mix products next, with emulsifiable concentrates added last.
5. Add adjuvants last, if needed.

6. Complete filling the sprayer tank and continue agitation. Apply as soon as possible after spray mixture is prepared. Do not leave mixture in spray tank overnight without agitation or unattended.

Note: For all tank mixtures, maintain agitation during mixing and throughout application to ensure the spray mixture remains uniformly suspended. If the spray mixture is allowed to settle at any time, thorough agitation is required to resuspend the mixture before spraying is resumed.

Adjuvants

When an adjuvant is to be used with this product, the use of an adjuvant that meets the standards of the Chemical Producers and Distributors Association (CPDA) adjuvant certification program is recommended.

Use of adjuvants with Resicore applied prior to weed emergence is not necessary or recommended.

Where Resicore is applied after field corn has emerged, a non-ionic surfactant (NIS) at 0.25% v/v (1 quart/100 gallons) may be used. A crop oil concentrate (COC) may also be used at a rate not to exceed 1.0% (1 gallon/100 gallons) or not more than the equivalent of 1.0 quart per acre. The use of crop oil concentrate (COC) may result in temporary crop injury. Do not apply Resicore to sweet corn or yellow popcorn after the crop has emerged or severe crop injury may occur.

Do not use nitrogen based adjuvants (AMS or UAN) or methylated seed oil (MSO) with Resicore when applied alone to emerged field corn or when Resicore is applied as a postemergence tank mixture with other products (except for the inclusion of AMS in tank mixtures containing glyphosate or glufosinate, as directed on those product labels), unless directed for a specific tank mix on this label or as part of a supplemental Resicore label.

Any of the above adjuvants may be used at a preplant or preemergence application timing (i.e., where the corn crop has not yet emerged) to enhance burndown activity on existing weeds.

Spray Equipment

Ground Application:

Spray nozzles should be uniformly spaced, the same size and type, and provide accurate and uniform application. Use spray nozzles that provide medium to coarse droplet size to avoid spray drift yet provide good coverage. Ensure that all in-line strainer and nozzle screens in the sprayer are 50-mesh or coarser. Use a pump that can maintain an operating pressure of at least 35-40 psi at the nozzles and provide proper agitation within the spray tank to keep the product dispersed. Lower pressures may be used with extended range or drift reduction nozzles as long as adequate spray coverage is maintained. Always make sure that agitation is maintained until spraying is completed, even if stopped for only brief periods of time. If agitation is stopped for more than five minutes, resuspend the spray solution by running at full agitation prior to spraying.

Preplant or Preemergence Application: Apply in a spray volume of 10-80 gallons per acre.

Postemergence Application: Good spray coverage of weeds is essential for optimum weed control. Boom height for broadcast over-the-top applications should be based on the height of the crop but set only high enough to provide uniform coverage with the spray nozzle used. Apply in a spray volume of 10-30 gallons per acre. When weed foliage is dense or corn approaches 11 inches in height, use a minimum spray volume of 15 gallons per acre. Use 80° or 110° flat fan nozzles for optimum postemergence coverage. Nozzles may be angled forward 45° to enhance penetration of the crop and provide better coverage. Do not use floodjet nozzles or controlled droplet application equipment for postemergence applications.

Dry Bulk Fertilizer: When applying Resicore impregnated on dry bulk fertilizer, use a minimum of 200 pounds of dry bulk fertilizer per acre. See **Appendix I** for directions and restrictions.

Use Directions

Resicore may be used for early preplant (EPP), preplant surface, preplant incorporated (PPI), or preemergence (PRE) application for control of many annual grasses and broadleaf weeds in field corn, field seed corn, field silage corn, sweet corn, and yellow popcorn. Resicore may also be applied postemergence for the control of broadleaf weeds in field corn, field seed corn, and field silage corn. This product will not consistently control grasses that are emerged at the time of application; utilize tank mixtures or sequential applications of herbicides registered for postemergence control of grass weeds in corn. Do not apply Resicore to emerged sweet corn or yellow popcorn or severe crop injury may occur.

See Tables 4 and 5 for a list of weeds controlled by Resicore.

Tillage Systems

Resicore may be used in conventional, reduced, and no-tillage corn systems. Weed control will be greatest when applications are made as close to planting as possible. Thoroughly till soil or make an application of a burndown herbicide to control germinating and emerged weeds. The registrant recommends that a burndown herbicide, such as paraquat, glyphosate, glufosinate, and/or 2,4-D be tank mixed with Resicore in reduced, minimum, and no-tillage systems if weeds are present at application and corn has not yet emerged.

Soil Texture and Organic Matter

The texture and organic matter of the soil on which the application of Resicore is to be made must be known or determined prior to application. The use rate of Resicore is determined by the soil texture grouping (coarse, medium, or fine; see Table 2) and percent organic matter content.

Table 2: Soil Texture Groupings for Resicore Use Rate Selection.

Coarse	Medium	Fine
Sand	Loam	Silty Clay Loam
Loamy Sand	Silt Loam	Clay Loam
Sandy Loam	Silt	Sandy Clay
	Sandy Clay Loam	Silty Clay
		Clay

Resicore Use Rates

Resicore use rates based on soil texture and organic matter content are outlined in Table 3. Do not apply Resicore more than 28 days prior to planting or to field corn taller than 11 inches in height. Resicore is not recommended for use on soils with greater than 10% organic matter or poor weed control may result.

Table 3: Resicore Use Rates by Soil Texture and Organic Matter Content.

Soil Texture	Rate Per Acre (Quarts)*	
	Soil Organic Matter Content	
	Less than 3%	3% or Greater
Coarse	2.25	2.50
Medium	2.50	2.75
Fine	2.75	3.00

*An additional 0.25 quart per acre may be used in areas of heavy weed infestation.
Do not apply more than 3.25 quarts per acre of Resicore per season.

Resicore Applied Alone

Early Preplant (EPP) or Preplant Surface:

Resicore may be applied up to 28 days prior to planting. The registrant recommends that a burndown herbicide, such as paraquat, glyphosate, glufosinate, and/or 2,4-D be tank mixed with Resicore to control emerged weeds.

Preplant Incorporated (PPI):

For PPI application, uniformly incorporate Resicore into the upper 2 inches of the soil using a field cultivator, disc, or spring tooth harrow any time within 14 days prior to planting. Improper incorporation, excessive crop residues, or poor soil tilth may result in erratic, streaked, or otherwise unsatisfactory weed control. Do not mix Resicore deeper than 2 inches into the soil and avoid moving or shaping soil after incorporation.

Preemergence (PRE) Surface:

Resicore may be applied to the soil surface as a broadcast application after planting but prior to corn emergence. Precipitation or sprinkler irrigation of at least 0.25 inch is required to bring Resicore into contact with germinating weed seeds. If rainfall or sprinkler irrigation does not occur within 7 days after application, weed control may be improved by using a rotary hoe or similar equipment to incorporate the herbicide. Incorporation equipment should be operated at a shallow depth to avoid disturbance of germinating corn seed. Erratic weed control resulting from exposure of untreated soil may occur if surface soil is moved or reshaped after incorporation.

Postemergence:

Resicore may be applied after field corn emergence. See the “**Adjuvants**” section of this label for adjuvant recommendations. Do not apply postemergence to field corn with liquid fertilizer as the carrier or severe crop injury may occur. Apply this treatment when broadleaf weeds are less than 3 inches tall. Occasional field corn leaf burn may result but this will not affect later corn growth or yield. Postemergence applications to field corn must occur before the crop reaches 11 inches in height. Do not apply Resicore to emerged sweet corn or yellow popcorn or severe crop injury may occur.

Resicore will not provide consistent control of emerged grass weeds. For control of emerged grass weeds, a grass herbicide tank mixture may be required (see tank mix section of this label). Tank mixtures with atrazine can improve control of emerged annual grass and broadleaf weeds. Refer to atrazine product labels for use directions and restrictions and weeds controlled.

Split Application:

Resicore may be applied as a split application in field corn, field seed corn, or field silage corn. For a split application program, apply approximately half (50%) of the labeled rate of Resicore (for the soil type, from Table 3) prior to crop emergence, followed by a second Resicore application at approximately half (50%) of the labeled rate, but a **minimum of 1.25 quarts per acre**, as a post application after corn emergence.

The total amount of Resicore applied in the split application program cannot exceed the labeled rates by soil type listed in Table 3 or 3.25 quarts per acre per season. Refer to the **Postemergence** section above for instructions on postemergence applications.

Resicore Tank Mix Combinations

Use of Spray Adjuvants with Tank Mixtures

When Resicore is used as a preemergence herbicide, and before weeds have emerged, spray adjuvants have little or no effect on performance and are not recommended. In burndown situations, where weeds have emerged and the corn has not, an adjuvant(s) may be used with Resicore applied alone or when applied in tank mixtures with a burndown herbicide, as allowed on the individual product labels. Use only those adjuvants approved for agricultural crop use. See the **"Adjuvants"** section of this label for further instructions.

Burndown Combinations Applied Before Corn Emergence in Reduced Tillage Systems

In reduced or no-till corn prior to crop emergence, Resicore tank mixtures with glyphosate, glufosinate, or paraquat can be used to burn down susceptible emerged weeds. For best results, such tank mixtures should be applied to emerged weeds that are less than 6 inches tall. Consult the glyphosate, glufosinate, or paraquat product labels for further information and restrictions on use rates, application timings, and weeds controlled.

Preplant and Preemergence Tank Mixtures Applied Before Corn Emergence

In conventional, reduced, or no-till corn prior to crop emergence, the following tank mix partners may be applied by the same methods and at the same timings as Resicore unless otherwise specified in the tank mix product label:

- Glyphosate, glufosinate, or paraquat, per product labels, to control susceptible emerged weeds.
- Atrazine, to improve broadleaf and grass weed control.

Follow all tank mix product label directions and restrictions and perform a compatibility test prior to spraying the mixture. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another). Tank mixtures with 2,4-D are allowed but extreme care must be taken to ensure tank mix compatibility, as 2,4-D products can vary widely in their compatibility properties.

Postemergence Tank Mixtures Applied After Field Corn Emergence

In conventional, reduced, or no-till field corn after crop emergence, the following tank mix partners may be applied by the same methods and at the same timings as Resicore unless otherwise specified in the tank mix product label:

- Atrazine, to improve broadleaf and grass weed control.
- For emerged grass control, follow all tank mix product (such as Accent Q®, Basis® brands, and Steadfast® Q) label directions and restrictions and perform a compatibility test prior to spraying the mixture.

Consult the **"Adjuvants"** section of this label for recommendations when applying Resicore alone or in tank mixtures to emerged field corn. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another). Do not apply Resicore tank mixtures to emerged sweet corn or yellow popcorn or severe crop injury may occur.

Resicore Programs for Glyphosate Tolerant Corn

- **Resicore Preemergence Followed by Glyphosate Postemergence:**

Resicore may be applied preemergence at a rate as low as 1.8 quarts per acre as part of a two-pass weed control system when followed by a postemergence application of a glyphosate product, such as Durango™ DMA, that is registered for use in glyphosate tolerant field corn. Use higher Resicore rates, up to the maximum amounts listed by soil type in Table 3, if there is a history of glyphosate-resistant weeds in the field. Atrazine may also be tank mixed with Resicore to improve broadleaf and grass weed control. When used in this way, Resicore will provide reduced competition from the weeds listed in Tables 4 and 5 for a period of 30 or more days, improving the timing flexibility and effectiveness of the follow-up glyphosate application. Follow all use directions and restrictions on the glyphosate and atrazine product labels.

- **Resicore + Glyphosate Tank Mixture Applied Postemergence:**

Resicore may be applied postemergence at a rate as low as 1.25 quarts per acre in a tank mixture with a solo glyphosate product, such as Durango DMA, that is registered for use in glyphosate tolerant field corn. To minimize weed competition effects on the crop, apply this mixture to 1 to 2 inch tall weeds and before the corn reaches 11 inches in height. If the glyphosate product includes an adjuvant system (does not call for additional adjuvants), only spray-grade ammonium sulfate (AMS) at 8.5 lbs. per 100 gallons should be added to this tank mixture. If the glyphosate product label calls for an adjuvant in addition to AMS, add a non-ionic surfactant (NIS) at 0.25% v/v and AMS to the mixture. Do not add urea ammonium nitrate (UAN), crop oil concentrate (COC), or methylated seed oil (MSO) type adjuvants to the mixture or crop injury may occur. Follow all use directions and restrictions on the glyphosate product label.

Resicore Programs for Glufosinate Tolerant Corn

- **Resicore Preemergence Followed by Glufosinate Postemergence:**

Resicore may be applied preemergence at rate as low as 1.8 quarts per acre as part of a two-pass weed control system when followed by a postemergence application of a glufosinate product that is registered for use in glufosinate tolerant field corn. Use higher Resicore rates, up to the maximum amounts listed by soil type in Table 3, if there is a history of glufosinate-resistant weeds in the field. Atrazine may also be tank mixed with Resicore to improve broadleaf and grass weed control. When used in this way, Resicore will provide reduced competition from the weeds listed in Tables 4 and 5 for a period of 30 or more days, improving the timing flexibility and effectiveness of the follow-up glufosinate application. Follow all use directions and restrictions on the glufosinate and atrazine product labels.

- **Resicore + Glufosinate Tank Mixture Applied Postemergence:**

Resicore may be applied postemergence at a rate as low as 1.25 quarts per acre in tank mixture with a solo glufosinate product that is registered for use in glufosinate tolerant field corn. To minimize weed competition effects on the crop, apply this mixture to 1 to 2 inch weeds and before the corn reaches 11 inches in height. Ammonium sulfate (AMS) may be added at 8.5 lbs. per 100 gallons as a spray adjuvant as directed on the glufosinate product label but AMS should be the only adjuvant added to this tank mixture. Do not add urea ammonium nitrate (UAN), crop oil concentrate (COC), or methylated seed oil (MSO) type adjuvants to the mixture or crop injury may occur. Follow all use directions and restrictions on the glufosinate product label.

Cultivation

If weeds develop, a shallow cultivation or rotary hoeing will generally result in improved weed control. If Resicore was incorporated, cultivate at less than half the depth of incorporation.

If cultivation is necessary due to soil crusting, compaction, or escaped weeds, adjust equipment to a shallow depth and minimize soil movement. This will decrease the possibility of diluting or moving the herbicide from the weed control zone.

Weeds Controlled

Resicore applied as directed in this label will control or suppress the weeds listed in Tables 4 and 5. Additional weeds may be controlled with tank mixtures. See the "**Resicore Tank Mix Combinations**" section of this label for recommended tank mix combinations. Always consult the tank mix product labels for specific use rates and directions. Always follow the most restrictive label when tank mixing Resicore with another product. Resicore may be tank mixed with any other registered corn product as long as compatibility is verified and tank mixing is not prohibited by the tank mix product label.

Table 4: Weeds Controlled or Partially Controlled by Preplant or Preemergence Applications of Resicore.

Grasses and Sedges	C = Control PC = Partial Control	Broadleaves	C = Control PC = Partial Control
Barnyardgrass	C	Amaranth, Palmer	C*
Crabgrass species	C	Amaranth, Powell	C
Crowfootgrass	C	Amaranth, spiny	C
Cupgrass, prairie	C	Bedstraw, catchweed	PC*
Cupgrass, Southwestern	C	Beggarweed, Florida	C
Cupgrass, woolly	PC	Buckwheat, wild	C*
Foxtail, bristly	C	Buffalobur	C
Foxtail, giant	C	Carpetweed	C
Foxtail, green	C	Chickweed, common	C
Foxtail, robust (purple, white)	C	Clover, red	C
Foxtail, yellow	C	Cocklebur, common	C*
Goosegrass	C	Deadnettle, purple	C
Johnsongrass, seedling	PC	Devil's-claw	C
Millet, foxtail	C	Galinsoga	C
Millet, wild proso	PC	Groundcherry, annual	PC*
Nutsedge, yellow	C	Groundcherry, cutleaf	PC*
Oat, wild	PC*	Henbit	C
Panicum, browntop	C	Horseweed (maretail)	C
Panicum, fall	C	Jimsonweed	C
Panicum, Texas	PC	Kochia	C*
Rice, red	C	Lambsquarters, common	C
Sandbur, field	PC	Mallow, Venice	C
Shattercane	PC	Morningglory, entireleaf	C*
Signalgrass, broadleaf	C*	Morningglory, ivyleaf	C*
Signalgrass, narrowleaf	C	Morningglory, pitted	C*
Sprangletop, red	C	Morningglory, tall	C*
Starbur, bristly	C	Mustard, wild	C
Wheat, volunteer	PC*	Nightshade, black	C
Witchgrass	C	Nightshade, eastern black	C
		Nightshade, hairy	C
		Pigweed, redroot	C
		Pigweed, smooth	C
		Pigweed, tumble	C

	Puncturevine	C*
	Purslane, common	C
	Pusley, Florida	C
	Radish, wild	C
	Ragweed, common	C
	Ragweed, giant	C*
	Sesbania, hemp	C
	Shepherd's-purse	C
	Sicklepod	C*
	Sida, prickly	PC*
	Smartweed, ladythumb	C
	Smartweed, Pennsylvania	C
	Sunflower, common	C*
	Velvetleaf	C
	Waterhemp, common	C*
	Waterhemp, tall	C*
	Wormwood, biennial	C*

*The addition of atrazine at specified label rates may improve control.

Thoroughly till soil or make an application of a burndown herbicide to control germinating and emerged weeds. Plant crop immediately after tillage.

If a significant rainfall does not occur within 7 days after application, weed control may be reduced. If irrigation is available, apply 0.25-0.75 inch of water. If irrigation is not available, a uniform shallow cultivation is recommended as soon as weeds emerge.

Table 5: Weeds Controlled or Partially Controlled by Postemergence Applications of Resicore.

Grasses and Sedges	C = Control PC = Partial Control	Broadleaves	C = Control PC = Partial Control
Crabgrass, large ¹	C*	Amaranth, Palmer	C*
Nutsedge, yellow	PC*	Amaranth, Powell	C
Signalgrass, broadleaf ¹	C*	Amaranth, spiny	C
		Alfalfa, volunteer (seedling)	PC*
		Atriplex	C
		Beans, volunteer	C*
		Bedstraw, catchweed	PC*
		Beggarweed, Florida	C
		Buckwheat, wild	C*
		Buffalobur	C
		Burcucumber	PC*
		Carpetweed	C
		Carrot, wild	PC*
		Chickweed, common	C
		Clover species	C
		Cocklebur, common	C
		Dandelion, common	PC*
		Deadnettle, purple	C
		Devil's-claw	C
		Dock, curly	PC*
		Galinsoga	C
		Groundcherry, annual	C

	Groundcherry, cutleaf	C
	Hemp	C
	Henbit	C
	Horsenettle	C*
	Horseweed (maretail)	C*
	Jimsonweed	C
	Knotweed, prostrate	PC
	Kochia	C*
	Lambsquarters, common	C
	Lentils, volunteer	C*
	Mallow, Venice	C*
	Morningglory, entireleaf	C*
	Morningglory, ivyleaf	C*
	Morningglory, pitted	C*
	Morningglory, tall	C*
	Mustard, wild	C
	Nightshade, black	C
	Nightshade, eastern black	C
	Nightshade, hairy	C
	Peas, volunteer	C*
	Pigweed, redroot	C
	Pigweed, smooth	C
	Pigweed, tumble	C
	Pokeweed	C*
	Potatoes, volunteer	C
	Prickly lettuce	PC
	Purslane, common	C
	Pusley, Florida	C
	Radish, wild	C
	Ragweed, common	C*
	Ragweed, giant	C*
	Sesbania, hemp	C
	Shepherd's-purse	C
	Sicklepod	PC*
	Sida, prickly	C*
	Smartweed, ladythumb	C*
	Smartweed, Pennsylvania	C*
	Soybean, volunteer	C
	Sunflower, common	C*
	Thistle, Canada	C*
	Velvetleaf	C
	Waterhemp, common	C*
	Waterhemp, tall	C*
	Wormwood, biennial	C*

*The addition of atrazine at specified label rates may improve control.

¹Apply before the weed exceeds 2 inches in height.

Resicore will not provide consistent control of emerged grass weeds. For control of emerged grass weeds, a grass herbicide tank mixture may be required (see **"Resicore Tank Mix Combinations"** section of this label). Tank mixtures with atrazine can improve control of emerged annual grass and broadleaf weeds. Refer to atrazine product labels for use directions, restrictions, and weeds controlled.

Appendix I

Dry Bulk Fertilizer Impregnation

Impregnation of bulk fertilizer is restricted to commercial facilities. On-farm fertilizer impregnation is prohibited. No more than 500 tons of bulk fertilizer can be impregnated per day. No single facility may impregnate fertilizer with this product for more than 30 days per calendar year.

The commercial facility impregnating the dry bulk fertilizer must inform, in writing, the user (applicator) of the dry bulk fertilizer that:

- Applicator must wear long-sleeved shirt, long pants, shoes, and socks
- The restricted entry interval is 12 hours.

All individual state regulations relating to dry bulk fertilizer blending, registration, labeling and application are the responsibility of the individual and/or company selling the Resicore.

Dry bulk fertilizers (Table 6) may be impregnated with this product or the tank mixtures of this product on corn. This product and these tank mixtures must be applied with 200 to 450 pounds of dry bulk fertilizer per acre and shallowly incorporated within 14 days prior to planting. On medium- and fine-textured soils in areas where incorporation is not planned (i.e., reduced tillage situations or in some conventional tillage situations), applications can be made up to 30 days before planting to allow moisture to move the herbicide-fertilizer mixture into the soil. On coarse-textured soils, applications can be made up to 14 days prior to planting. When applying Resicore alone or in tank mixes with dry bulk fertilizers, follow all directions for use and precautions on the respective tank mix product labels regarding rates, soil type, application methods and rotational restrictions. Refer to the table for broadcast rate per acre to determine the application rate per acre for the herbicide treatment to be applied.

Table 6: Approved Dry Fertilizer Ingredients for Use with Resicore.

Fertilizer	N	P	K
Ammonium Phosphate-Sulfate	16	20	0
Ammonium Sulfate	21	0	0
Diammonium Phosphate	18	46	0
Monoammonium Phosphate	11	56	0
Potassium Chloride	0	0	60
Potassium Sulfate	0	0	52
Urea [†]	45	0	0

[†] Some ureas may be phytotoxic when high rates are applied to corn. Use only urea rates known to be safe for corn application.

For impregnating the pesticides on dry fertilizers, use an appropriate mixer equipped with suitable spraying equipment. The spray nozzles should be positioned inside the mixer to provide uniform spray coverage of the tumbling fertilizer. The Resicore should be sprayed uniformly onto the fertilizer using a fine spray pattern. Tank mix components may be applied as separate ingredients with powders and dry flowables added first or they may be mixed in a slurry in the proper ratio and added jointly. Resicore may also be impregnated on the go and applied with pneumatic applicators.

The following table provides a reference to determine the amount of Resicore to be mixed per ton of dry bulk fertilizer for a range of herbicide and fertilizer rates per acre.

Table 7: Resicore Fertilizer Impregnation Rate Conversions.

Fertilizer Rate (lbs/acre)	Acres Covered (per ton)	Quarts of Resicore per Ton of Fertilizer to Deliver:			
		2.25 qts/acre	2.50 qts/acre	2.75 qts/acre	3.00 qts/acre
200	10.0	22.5	25.0	27.5	30.0
250	8.0	18.0	20.0	22.0	24.0
300	6.7	15.1	16.8	18.4	20.1
350	5.7	12.8	14.3	15.7	17.1
400	5.0	11.3	12.5	13.8	15.0
450	4.5	10.1	11.3	12.4	13.5

To determine the amount of Resicore needed for other fertilizer rates, use the following formula:

$$\frac{\text{Resicore rate (quarts/acre)} \times 2000}{\text{Pounds of fertilizer/acre}} = \text{Quarts of Resicore per ton of fertilizer}$$

If the herbicide/fertilizer mixture is too wet, use of a drying agent is required to provide a dry, free-flowing mixture. For mixtures to be used in spinning-disc applicators, Micro-Cel E calcium silicate powder (Manville, Filtration & Minerals) is recommended for use as a drying agent. Mixtures to be used in pneumatic applicators should use Micro-Cel E or Agsorb 16/30 RVM-MS granular clay (Oil-Dri Corporation). The drying agents should be added separately and uniformly to the prepared pesticide/fertilizer mixture, in a quantity that is sufficient to provide a suitable free-flowing mixture. Generally, less than 2% Micro-Cel E or 5% Agsorb 16/30 RVM-MS by weight is required.

Precaution: To avoid potential for explosion, do not impregnate Resicore on ammonium sorbate nitrate, potassium nitrate, or sodium nitrate fertilizer or fertilizer blends. Do not impregnate on single (0-20-0) or triple (0-46-0) super phosphate. Do not impregnate on agricultural limestone because Resicore will not be absorbed.

Appendix II

Tank Mix Compatibility Test

Complete a compatibility test before tank mixing to ensure compatibility of Resicore with other pesticides. The following test assumes a spray volume of 25 gallons per acre. For other spray volumes, make appropriate changes in the ingredients.

Note: Nitrogen solutions or complete liquid fertilizers, excluding suspension fertilizers, may replace all or part of the water in the spray. Because liquid fertilizers vary, even within the same analysis, **always check compatibility with pesticide(s) before use.** Incompatibility of tank mixtures is more common with mixtures of fertilizer and pesticides.

Test Procedure:

1. Add 1.0 pint of carrier (fertilizer or water) to each of two one quart jars with tight lids. **Note:** Use the same source of water that will be used for the tank mix and conduct the test at the temperature the tank mix will be applied.
2. To one of the jars, add ¼ teaspoon or 1.2 milliliters of a compatibility agent approved for this use, such as Compex or Unite (1/4 teaspoon is equivalent to 2.0 pints per 100 gallons of spray). Shake or stir gently to mix.
3. To both jars, add the appropriate amount of pesticide(s) in their relative proportions based on specified label rates. If more than one pesticide is used, add them separately with dry pesticides first, flowables next, and emulsifiable concentrates last. After each addition, shake or stir gently to thoroughly mix.
4. After adding all ingredients, put lids on and tighten and invert each jar ten times to mix. Let the

mixtures stand 15-30 minutes and then look for separation, large flakes, precipitates, gels, heavy oily film on the jar, or other signs of incompatibility. Determine if the compatibility agent is needed in the spray mixture by comparing the two jars. If either mixture separates, but can be remixed readily, the mixture can be sprayed as long as good agitation is used. If the mixtures are incompatible, test the following methods of improving compatibility: (a) slurry the dry pesticide(s) in water before addition, or (b) add ½ the compatibility agent to the fertilizer or water and the other ½ to the emulsifiable concentrate or flowable pesticide before addition to the mixture. If incompatibility is still observed, do not use the mixture.

5. After compatibility testing is complete, dispose of any pesticide wastes in accordance with the **Storage and Disposal** section of this label.

Procedure for Testing the Compatibility of Resicore and Tank Mixes with Fluid Fertilizers

Since fluid fertilizers vary, the following procedure is suggested for determining whether Resicore may be combined with a specific fluid fertilizer for spray tank application.

Materials Needed:

- Resicore and any tank mix products.
- Fluid fertilizer to be used.
- Adjuvant for fertilizer tank mix: Use any adjuvant cleared for use on growing crops under 40 CFR 180.1001 to improve the compatibility of Resicore with fluid fertilizers. The adjuvant that provides the best emulsification depends on the specific fertilizer under consideration.
- Two 1 quart, wide mouth glass jars with lid or stopper.
- Measuring spoons (a 25-ml pipette or graduated cylinder provides more accurate measurement).
- Measuring cup, 8 ounces (257 ml).

Procedure:

1. Pour a pint (about 473 ml) of the fluid fertilizer into each of the quart jars.
2. Add Resicore and any tank mix combination to the jars. The order of addition is wettable powders first with mixing, followed by flowables with mixing and the EC's last. The rate of wettable powders and dry flowables is 1½ teaspoon per pound of product per acre to be applied. EC's should be added at the rate of ½ teaspoon for each pint per acre to be applied. Premixing the wettable powders in 1 ounce of water before adding to the pint of fluid fertilizer will improve the compatibility of the final mixture.
3. Add 1/2 teaspoon (2 ml) adjuvant to one of the jars, label it as "with", and mix. The rate of ½ teaspoon per pint is equal to 3 pints of adjuvant per 100 gallons of fluid fertilizer.
4. Close both jars with lids or stoppers and mix the contents by turning the jars upside down ten times.
5. Inspect the surface and body of the mixtures:
 - (a) Immediately after completing the jar inversions
 - (b) After allowing the jars to stand quietly for 30 minutes
 - (c) And then again after turning the jars upside down 10 times after the 30 minute inspection

Evaluation:

If either mixture remains uniform for 30 minutes, the combination may be used. Should either mixture separate after 30 minutes, but readily remix uniformly with 10 jar inversions, the mixture can be used if adequate agitation is maintained in the tank. If the mixture with adjuvant is satisfactory but the mixture without adjuvant is not, be sure to use the adjuvant in the spray tank. Add the adjuvant first at a rate of 3 pints per 100 gallons of fluid fertilizer. Foaming may be minimized by using only moderate agitation. **If non-dispersible oil, sludge, or clumps of solids form in the mixtures, the combination should not be used.**

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1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used.

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EPA accepted __/__/__

resubmission

Schmid, Emily

From: Algarin, Nestor (N) <NAlgarin@dow.com>
Sent: Monday, January 04, 2016 2:32 PM
To: Schmid, Emily
Cc: Baxter, Jim (JP)
Subject: RE: Label for Resicore - 62719-AOG
Attachments: 062719-00AOG.20160104.Resicore-XXX 04Jan16d2.pdf

Importance: High

Hi Emily,

Our field scientist review your proposed change and updated the label (attached) accordingly.

Let me know if something else is needed.

Regards,

Nestor

From: Schmid, Emily [mailto:Schmid.Emily@epa.gov]
Sent: Monday, January 04, 2016 10:59 AM
To: Algarin, Nestor (N)
Subject: RE: Label for Resicore - 62719-AOG

Hi Nestor,

Thank you for getting this to me. Everything looks good except you left off the specification regarding soil type. I asked you to add:

-Other states – 10.5 months for soils greater than 2% organic matter and rainfall more than 15 inches during 12 months following applications; and 18 months for soils less than 2% organic matter AND rainfall less than 15 inches during 12 months following applications

But you revised it to:

All other states: 10.5 months; 18 months when annual precipitation is less than 15 inches.

If you can make that last revision, I will forward this on to Reuben for his final review.

Thank you,
Emily

From: Algarin, Nestor (N) [mailto:NAlgarin@dow.com]
Sent: Monday, January 04, 2016 10:41 AM
To: Schmid, Emily <Schmid.Emily@epa.gov>
Cc: Baxter, Jim (JP) <jpbaxter@dow.com>; Williamson, Kim (KM) <kmwilliamson@dow.com>
Subject: Label for Resicore - 62719-AOG
Importance: High

Good morning Emily and Happy New Year,

I hope this email finds you well in this new year.

Attached is a copy of the labeling for Resicore. This label contains changes proposed by EPA and discussed within Dow's regulatory team and stakeholders.

Although I'm still out of the office until Wednesday, I will be monitoring my email the next 2 days, so don't hesitate to contact me if anything else is needed.

Kind regards,

Nestor Algarin, Regulatory Specialist
Office: 317.337.5148, Fax: 317.337.4659 nalgarin@dow.com

Dow AgroSciences LLC
9330 Zionsville Road, Indianapolis, IN 46268

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resubmission.

Schmid, Emily

From: Algarin, Nestor (N) <NAlgarin@dow.com>
Sent: Monday, January 04, 2016 10:41 AM
To: Schmid, Emily
Cc: Baxter, Jim (JP); Williamson, Kim (KM)
Subject: Label for Resicore - 62719-AOG
Attachments: 062719-00AOG.20160104.Resicore-XXX 04Jan16d.pdf

Importance: High

Good morning Emily and Happy New Year,

I hope this email finds you well in this new year.

Attached is a copy of the labeling for Resicore. This label contains changes proposed by EPA and discussed within Dow's regulatory team and stakeholders.

Although I'm still out of the office until Wednesday, I will be monitoring my email the next 2 days, so don't hesitate to contact me if anything else is needed.

Kind regards,

Nestor Algarin, Regulatory Specialist
Office: 317.337.5148, Fax: 317.337.4659 nalgarin@dow.com

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

December 24, 2015

Jim Baxter
Regulatory Manager
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

Subject: PRIA New Product – Label Deficiency
Product Name: GF-3471
EPA File Symbol: 62719-AOG
Application Date: April 15, 2015
Decision Number: 503495

Dear Mr. Baxter,

The Agency has completed its review and assessment of your application pursuant to Section 33(b)(3) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) as amended by the Pesticide Registration Improvement Extension Act of 2012. The Agency has made a pre-decisional determination that your application cannot be approved unless revisions are made to the label. The necessary label changes are specified on the attached label.

Since there is limited time before the PRIA Decision Due Date expires, it is important to discuss any objections you have to these changes immediately and whether you will need to submit additional data for review. If these discussions determine that submitting data will be necessary, the PRIA decision due date may need to be renegotiated to allow sufficient time to address and resolve such differences. If the PRIA Decision Due Date is not renegotiated, and the label issues are not resolved before the PRIA Decision Due Date, the Agency will send a follow-up letter that will represent the Agency's decision to close out the PRIA decision review time. The follow-up letter will provide the following three options for continuing the review of the application:

- (a) Applicant agrees to all of the terms associated with the draft accepted label as revised by the Agency and requests that it be issued as the accepted final Agency-stamped label; or
- (b) Applicant does not agree to one or more of the terms of the draft accepted label as revised by the Agency and requests additional time to resolve the difference(s); or
- (c) Applicant withdraws the application without prejudice for subsequent resubmission, but forfeits the associated registration service fee.

If the applicant informs EPA that it has concerns as described under (b) above, the applicant will have up to 30 calendar days from the date of that follow-up letter to reach agreement with the Agency on the final version of the label that the Agency will accept. If an agreement cannot be reached within those 30 days, EPA would intend to proceed with denial of the application.

If the applicant agrees to all of the terms of the accepted label as described in (a) above, or if the applicant and EPA resolve any differences as described in (b), the applicant must submit a revised label to EPA. EPA will then provide an accepted final Agency stamped label to the applicant within 2 business days following the applicant's written electronic confirmation of agreement to the Agency including the revised label to be stamped.

If you have any questions, please contact Emily Schmid at schmid.emily@epa.gov or at (703)347-0189.

Sincerely,

A handwritten signature in black ink, appearing to read "Reuben Baris". The signature is stylized with a large, looped "R" and a distinct "B".

Reuben Baris
Product Manager 25
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Enclosure

Schmid, Emily

From: Algarin, Nestor (N) <NAlgarin@dow.com>
Sent: Thursday, December 24, 2015 1:12 PM
To: Schmid, Emily
Subject: RE: Label for Resicore - 62719-AOG

Hi Emily,

I communicated with Jim Baxter and there's a good chance that I will send you a replacement label, updated, early next week.

Thanks for your help.

Nestor

From: Schmid, Emily [mailto:Schmid.Emily@epa.gov]
Sent: Thursday, December 24, 2015 10:34 AM
To: Algarin, Nestor (N)
Subject: RE: Label for Resicore - 62719-AOG

Hi Nestor,

Since we are so close to the due date, I'm required to send the attached a pre-decisional determination letter.

Let me know if you have any questions.

Merry Christmas!
Emily

From: Schmid, Emily
Sent: Wednesday, December 23, 2015 1:53 PM
To: 'Algarin, Nestor (N)' <NAlgarin@dow.com>
Subject: RE: Label for Resicore - 62719-AOG

Nestor,

Yes, I guess most people are off. It's okay, we have still have some time.

Merry Christmas!
Emily

From: Algarin, Nestor (N) [mailto:NAlgarin@dow.com]
Sent: Wednesday, December 23, 2015 1:50 PM
To: Schmid, Emily <Schmid.Emily@epa.gov>
Subject: RE: Label for Resicore - 62719-AOG
Importance: High

Emily,

Thanks for the information.

Let see if I get a reply from the label focal points regarding the rotational crops table. Most of the people, me included, are on vacation so it will be a little hard to have it for tomorrow. But will let you know as soon as possible.

Have a great Christmas Eve and Day.

Nestor

From: Schmid, Emily [<mailto:Schmid.Emily@epa.gov>]
Sent: Wednesday, December 23, 2015 6:56 AM
To: Algarin, Nestor (N)
Subject: RE: Label for Resicore - 62719-AOG

Nestor,

I will be in the office until 3:30 EST today and until 10:30 EST tomorrow. Then I'll be working 6:00-3:30 EST Monday, Tuesday and Wednesday of next week.

It would be great if you could get this to me by tomorrow morning. Reuben is out on grand jury duty but will be in the office tomorrow so he could probably finish it while he's here.

Best regards,
Emily

From: Algarin, Nestor (N) [<mailto:NAlgarin@dow.com>]
Sent: Wednesday, December 23, 2015 1:29 AM
To: Schmid, Emily <Schmid.Emily@epa.gov>
Cc: Baxter, Jim (JP) <jpbaxter@dow.com>; Williamson, Kim (KM) <kmwilliamson@dow.com>
Subject: RE: Label for Resicore - 62719-AOG
Importance: High

Emily,

I forwarded your proposed changes to our internal stakeholders for their review.

As soon as I have any news or new information from them I will get back to you and also send you the final label.

Will you be out of the office in the coming days?

Kind regards,

Nestor

From: Schmid, Emily [<mailto:Schmid.Emily@epa.gov>]
Sent: Tuesday, December 22, 2015 2:08 PM
To: Algarin, Nestor (N)
Subject: RE: Label for Resicore - 62719-AOG

That sounds good for the Use Restrictions.

So, per 62719-73, it looks like:

Sorghum

- California, Idaho, Nevada, Oregon, Utah, and Washington – 12 months
- Other states – 10.5 months

Sunflower

- Florida – 18 months
- California, Idaho, Nevada, Oregon, Utah, and Washington – 12 months for areas receiving greater than 18 inches of rainfall, not including irrigation), 18 months for areas receiving less than 19 inches of rainfall, not including irrigation
- Other states – 10.5 months for soils greater than 2% organic matter and rainfall more than 15 inches during 12 months following applications; and 18 months for soils less than 2% organic matter AND rainfall less than 15 inches during 12 months following applications

Could you update the label to reflect this?

From: Algarin, Nestor (N) [<mailto:NAlgarin@dow.com>]
Sent: Tuesday, December 22, 2015 1:43 PM
To: Schmid, Emily <Schmid.Emily@epa.gov>
Subject: RE: Label for Resicore - 62719-AOG

Thanks.

I'm waiting for Jim to respond back to me.

The clorpyralid product used for the rotational crop section was Stinger – 62719-73.

Regarding the Use Restrictions:

- You want to maintain “Do not apply more than 3.25 quarts of Resicore per acre per year.” and add “Do not make more than 2 applications per year.” under Use Restrictions?

Nestor

From: Schmid, Emily [<mailto:Schmid.Emily@epa.gov>]
Sent: Tuesday, December 22, 2015 1:24 PM
To: Algarin, Nestor (N)
Subject: RE: Label for Resicore - 62719-AOG

Hi Nestor,

I'm finished with my review. The only problems I saw were the registration notes page (no labels should have them but we have become more strict on this lately), the use restrictions that Sarah requested, and the rotation intervals (I need a label that contains clorpyralid that reflects the intervals you have on your label). If you can fix those things, I can send it on to Reuben for his final review.

Thanks,
Emily

From: Algarin, Nestor (N) [<mailto:NAlgarin@dow.com>]
Sent: Tuesday, December 22, 2015 1:18 PM
To: Schmid, Emily <Schmid.Emily@epa.gov>

Cc: Baxter, Jim (JP) <jpbaxter@dow.com>; Williamson, Kim (KM) <kmwilliamson@dow.com>

Subject: RE: Label for Resicore - 62719-AOG

Hi Emily,

I'm checking with Jim Baxter regarding the information you inquired; he is in France at the moment so it may take some time to get a response back to you. As soon as I have something I will let you know.

I will remove the first page as soon as you finish your review, no problem. One question; from now on, labels posted to PPLS will not show registration notes pages or is only for new registrations?

Nestor

From: Schmid, Emily [<mailto:Schmid.Emily@epa.gov>]

Sent: Tuesday, December 22, 2015 12:30 PM

To: Algarin, Nestor (N)

Subject: RE: Label for Resicore - 62719-AOG

Hi Nestor,

Thank you for getting this to me.

The first page of registration notes needs to be removed before we can stamp the label. The label that gets stamped is uploaded to PPLS and is an official document that must match the package and specimen label.

In Sarah's note in the Use Restrictions section, she asked you to add the number of applications allowed per year, the maximum per application rate, and waiting time between applications. These are important restrictions and should be in this section even if they are found in other places on the label.

Please provide registration numbers (for all three AIs) that support the rotation intervals or change the rotation intervals as Sarah specified.

If you have any questions, please feel free to contact me.

Thank you,
Emily

From: Algarin, Nestor (N) [<mailto:NAlgarin@dow.com>]

Sent: Wednesday, December 02, 2015 2:53 PM

To: Schmid, Emily <Schmid.Emily@epa.gov>

Cc: Baris, Reuben <Baris.Reuben@epa.gov>; Baxter, Jim (JP) <jpbaxter@dow.com>

Subject: Label for Resicore - 62719-AOG

Importance: High

Hi Emily,

I hope this communication finds you well.

Attached is the replacement label for Resicore. This label was updated based on recommendations by Sarah and Reuben and discussed by Dow AgroSciences stakeholders.

Below find some responses to a few inquiries noted in the labeling.

- Regarding the first page (Registration Notes): This page will be removed before package label is printed and specimen label is created.
- The Spanish word PRECAUCION and accompany language is optional for categories III and IV on WPS labeling. Dow AgroSciences add the Spanish signal word and statement per your request.
- Regarding the Environmental Hazards statement and the aquatic invertebrates inquiry: Toxicity data for the section is driven by this product's active ingredients and found on products with straight active ingredient and technical products for each active. Aquatic invertebrates language is not reflected on any of the straight products or technical labeling.
- Regarding the NET CONTENTS overflowed to the next page. This is based on MS Word or PDF document and it will not be reflected on package labeling or specimen label. The package label will be printed and securely attached to container according to FIFRA ruling.
- Regarding the Use Restriction, "Do not apply more than 3.25 quarts of Resicore per acre per year.": Resicore application timings are defined based upon crop planting date, weed size, and/or crop size and for multiple/split applications. The application timings and rates are defined and the number of applications is indicated to be two ("...followed by a second Resicore application..."). Comparable products in the market with similar use patterns show similar language to the one found on Resicore. Dow AgroSciences prefers to maintain the current language.
- Regarding Sorghum, Sunflower and All other rotational crops in Table 1: End use labeling for each active ingredients is consistence with what we have shown for Resicore. The longest time in SureStart II where driven by flumetsulam which is not found in Resicore.
- Regarding the EPA proposed change to add "Dow AgroSciences recommends..." under Tillage Systems and Early Preplant (EPP) or Preplant Surface sections: Dow AgroSciences propose to add "The registrant recommends..." language instead of "Dow AgroSciences recommends...". This is based on our sub-registration business where sub-registrant companies must match our label. The use of "The registrant recommends..." will give those companies the flexibility to copy the language and avoid Dow the need to amend the label to fit their needs.

Please, don't hesitate to contact me with questions regarding this matter or any other issue that may arise.

Kind regards,

Nestor Algarin, Regulatory Specialist
Office: 317.337.5148, Fax: 317.337.4659 nalgarin@dow.com

Dow AgroSciences LLC
9330 Zionsville Road, Indianapolis, IN 46268

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resubmission

Schmid, Emily

From: Algarin, Nestor (N) <NAlgarin@dow.com>
Sent: Tuesday, December 08, 2015 4:40 PM
To: Schmid, Emily
Subject: FW: Label for Resicore - 62719-AOG
Attachments: 062719-00AOG.20151202.Resicore-XXX 30Nov15d.pdf

Importance: High

Hi Emily,

I didn't follow up this the day after I sent it, but I'm glad that you will be finishing this project. Sarah has been great and I'm looking forward to work with her in the future in many other projects. Did she gave birth already? If so, please send Best Wishes to her and family on my behalf.

Regarding this project, don't hesitate to contact me if you have any questions or if more information is needed. I will be working until December 18; after that I will go on vacation for a while.

Kind regards,

Nestor

From: Algarin, Nestor (N)
Sent: Wednesday, December 02, 2015 2:53 PM
To: 'Schmid, Emily'
Cc: 'Baris, Reuben'; Baxter, Jim (JP)
Subject: Label for Resicore - 62719-AOG
Importance: High

Hi Emily,

I hope this communication finds you well.

Attached is the replacement label for Resicore. This label was updated based on recommendations by Sarah and Reuben and discussed by Dow AgroSciences stakeholders.

Below find some responses to a few inquiries noted in the labeling.

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Please, don't hesitate to contact me with questions regarding this matter or any other issue that may arise.

Kind regards,

Nestor Algarin, Regulatory Specialist

Office: 317.337.5148, Fax: 317.337.4659 nalgarin@dow.com

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resubmission

Schmid, Emily

From: Algarin, Nestor (N) <NAlgarin@dow.com>
Sent: Wednesday, December 02, 2015 2:53 PM
To: Schmid, Emily
Cc: Baris, Reuben; Baxter, Jim (JP)
Subject: Label for Resicore - 62719-AOG
Attachments: 062719-00AOG.20151202.Resicore-XXX 30Nov15d.pdf

Importance: High

Hi Emily,

I hope this communication finds you well.

Attached is the replacement label for Resicore. This label was updated based on recommendations by Sarah and Reuben and discussed by Dow AgroSciences stakeholders.

Below find some responses to a few inquiries noted in the labeling.

- Regarding the first page (Registration Notes): This page will be removed before package label is printed and specimen label is created.
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Please, don't hesitate to contact me with questions regarding this matter or any other issue that may arise.

Kind regards,

Nestor Algarin, Regulatory Specialist
Office: 317.337.5148, Fax: 317.337.4659 nalgarin@dow.com

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RESUBMISSION.

Meadows, Sarah

From: Algarin, Nestor (N) <NAlgarin@dow.com>
Sent: Wednesday, October 14, 2015 3:27 PM
To: Meadows, Sarah
Cc: Baris, Reuben; Baxter, Jim (JP)
Subject: Replacement label for GF-3471 (Resicore)
Attachments: 062719-00XXX.20151014.Resicore-XXX 14Oct15d.pdf; Replacement Label - Table of Changes Oct. 14, 2015.docx

Importance: High

Dear Sarah,

I hope this communication finds you well.

Per our September meeting, attached is a copy of the updated Resicore (GF-3471) label and a table showing changes made to the original label submitted to EPA back in April 2015.

Jim Baxter is working with our lead field scientist on the efficacy slide deck Reuben requested on our meeting. The efficacy slide deck will incorporate data collected during the 2015 season.

Don't hesitate to contact me with questions regarding this submission.

Kind regards,

Nestor Algarin, Regulatory Specialist
Office: 317.337.5148, Fax: 317.337.4659 nalgarin@dow.com

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

OFFICE OF PESTICIDE PROGRAMS
REGISTRATION DIVISION (7505P)

08/JUL/2015

MEMORANDUM

Subject: Acute Toxicity Review for EPA File Symbol 62719-AOG

Name of Pesticide Product: GF-3471
EPA File Symbol: 62719-AOG
DP Barcode: D427470
Decision No.: 503495
Action Code: R314
PC Codes: 121601 (acetochlor), 122990 (mesotrione)
117403 (clopyralid)

From: Eugenia McAndrew, Biologist
Through: Masih Hashim, PH.D., Team Leader Toxicology
Chemistry, Inerts and Toxicology Assessment Branch
Registration Division (7505P)

To: Sarah Meadows, RM Team 25
Herbicide Branch
Registration Division (7505P)

Applicant: Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46208

FORMULATION FROM LABEL:

<u>Active Ingredient(s):</u>	<u>% by wt.</u>
acetochlor	31.0
mesotrione	3.3
clopyralid	2.7
<u>Other Ingredient(s):</u>	<u>63.0</u>
Total:	100.0%

ACTION REQUESTED: The Risk Manager requests a review of six acute toxicity studies submitted to support registration of the proposed product, EPA File Symbol 62719-AOG.

BACKGROUND: Dow AgroSciences has submitted six acute toxicity studies (MRID Nos. 495549-03 to -08) to support the registration of the proposed product, GF-3471, EPA File Symbol 62719-AOG. The registrant has also submitted a label, a company letter and a basic CSF dated March 11, 2015 which must be reviewed by the product chemists in the Chemistry, Inerts and Toxicology Assessment Branch.

GLP: Yes

DEVIATIONS: None

LABELING:

PRODUCT ID #: 062719-00693

PRODUCT NAME: GF-3471

PRECAUTIONARY STATEMENTS

SIGNAL WORD: CAUTION

Hazards to Humans and Domestic Animals:

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear long-sleeved shirt and long pants, socks, shoes, and chemical resistant gloves such as Barrier Laminate, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chlorine or Viton. Remove and wash contaminated clothing before reuse. [Wear protective eyewear.]*

*[Protective eyewear may be specified, if appropriate.]

First Aid:

If swallowed:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

If on skin:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

If in eyes:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-xxx-xxxx for emergency medical treatment information.

User Safety Recommendations:

-Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

-Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

DATA EVALUATION RECORD

Product Reg. No.: 62719-AOG

Product Name: GF-3471

1. DP BARCODE: 427470				
2. PC CODES: 117403, 121601, 122990				
3. CURRENT DATE: July 8, 2015				
4. TEST MATERIAL: GF-3471 (Test Item No. TSN308681; Lot No. ENBK-143985-18A; 2.8 wt % Clopyralid-olamine and 3.3 wt % Mesotrione and 1.0 wt % [inert ingredient] and 30.3 wt % Acetochlor ; density 1.0853 g/mL; opaque, light tan liquid)				
Study/Species/Lab Study # /Date	MRID	Results	Tox Cat	Core Grade
Acute oral toxicity / rat Jai Research Foundation Dept. of Toxicology Study # 401-1-01-10266 March 3, 2015 OCSPP 870.1100; OECD 423	49554903	LD ₅₀ > 2000 mg/kg (females) Two groups of 3 female rats were tested at a dose of 2000 mg/kg (total of 6 animals) One group of rats was dosed first. Since no mortality occurred, the second group of rats was dosed. All animals survived and gained weight. No clinical signs were observed and no gross abnormalities were noted at necropsy.	III	A
Acute dermal toxicity / rat Jai Research Foundation Dept. of Toxicology Study # 403-1-01-10267 March 4, 2015 OCSPP 870.1200; OECD 402	49554904	LD ₅₀ > 2000 mg/kg (both sexes) All animals survived and gained weight. No clinical signs of toxicity were observed and no gross abnormalities were noted at necropsy.	III	A
Acute inhalation toxicity / rat Jai Research Foundation Dept. of Toxicology Study # 405-1-01- 10271	49554905	LC ₅₀ > 5.60 mg/L (both sexes) MMAD: 3.36 µm GSD: 2.58	IV	A

March 3, 2015 OCSPP 870.1300; OECD 403		All animals survived. There were body weight losses on day 1 and 3 but all animals exceeded initial body weights by day 14. No clinical signs of toxicity were noted and no gross abnormalities were noted at necropsy.		
Primary eye irritation / rabbit Jai Research Foundation Dept. of Toxicology Study # 407-1-01-10269 March 4, 2015 OCSPP 870.2400; OECD 405	49554906	3 females tested pH 3.25 (1% aqueous solution) Both systemic and topical analgesics were used prior to and after instillation of test item. No iritis was observed. Corneal opacity was observed in 2/3 eyes at 48 hours and in one eye at 72 hours. A positive score for conjunctival redness was noted in two eyes at 24 hours and in two eyes at 48 and 72 hours. A score of 1 (not a positive effect) for chemosis was observed in all eyes from one hour through 72 hours. All eyes were free of irritation by day 7.	III	A
Primary dermal irritation / rabbit Jai Research Foundation Dept. of Toxicology Study # 406-1-01-10268 March 3, 2015 OCSPP 870.2500; OECD 404	49554907	3 males tested pH 3.25 (1% aqueous solution) PDI = 2.3 Very slight erythema and very slight edema were noted at 3/3 sites one hour after patch removal. The erythema increased to well defined erythema at all sites at 24 and 48 hours. By 72 hours, the edema had resolved while well defined erythema was still present at two sites. All sites were free of irritation on day 7.	III	A

Dermal sensitization/mouse Jai Research Foundation Dept. of Toxicology Study # 409-1-01-10270 March 4, 2015 OCSPP 870.2600; OECD 429	49554908	<p>Positive for sensitization</p> <table><tr><td>% tested</td><td>1%</td><td>5%</td><td>10%</td></tr><tr><td>SI value*</td><td>1.05</td><td>1.74</td><td>2.47</td></tr></table> <p>*Stimulation Index (SI) < 3 is a negative result. See below for explanation.</p> <p>Appropriate concurrent positive control provided</p> <p>The study author concludes (p. 22):</p> <p>“Although the SI obtained for GF-3471 at all tested concentrations showed a less than three-fold increase over the control value, concentrations between 10% and 25% which could result in more than 25% ear thickness were not tested in this study and the untested concentrations could produce positive response based on (1) acetochlor is a known sensitizer; (2) there was a dose-dependent increase in the response to GF-3471 at concentrations up to 10% and (3) the predicted calculated concentration of GF-3471 which gives SI value of 3 was found to be 13.29%. <i>Therefore, GF-3471 is considered as a potential skin sensitizer.</i>”</p> <p>EPA conclusion: Since the amount of acetochlor in this product is 31.0% and acetochlor is a known sensitizer, we agree with the conclusion that GF-3471 should be classified as a sensitizer.</p>	% tested	1%	5%	10%	SI value*	1.05	1.74	2.47	--	A
% tested	1%	5%	10%									
SI value*	1.05	1.74	2.47									

**Core Grade Key: A =Acceptable, S = Supplementary, U = Unacceptable, D = Data Gap
W= Waived**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION
OFFICE OF PESTICIDE PROGRAMS
REGISTRATION DIVISION (7505P)

FEE

~~DOCUMENT CONTAINS CONFIDENTIAL INFORMATION~~

BARCODE No.: 427469; DECISION No.: 503495; PRODUCT NAME: GF-3471;
PC CODE(s): 117403, 121601 & 122990; FILE SYMBOL No.: 62719-AOG; FOOD Use: Yes;

DATE: August 7, 2015

SUBJECT: Product Chemistry Review of GF-3471

FROM: Akiva Abramovitch, Ph.D. *JA*
CITAB / RD (7505P)

THROUGH: Shyam Mathur, Ph.D. *SBM 8/10/15*
Product Chemistry Team Leader
CITAB /RD (7505P)

TO: Sarah Meadows / Reuben Baris, PM 25
Herbicide Branch / RD (7505C)

Company Name: Dow AgroSciences
Formulation Type: Liquid

INTRODUCTION:

The applicant has submitted an application for registration of a new end use product. In support of the registration application, the registrant has submitted product chemistry data corresponding to guideline 830 series, group A and Group B data in MRID 495549-01 and -02. Also submitted the CSF of the basic formulation dated March 11, 2015 along with the product label. CITAB has been asked to determine the acceptability of the product chemistry data and the proposed basic CSF.

SUMMARY OF FINDINGS:

1. Name of Active Ingredients:
Acetochlor (31.0%), Mesotrione (3.3%) and Clopyralid monoethanolamine salt(2.7%).
2. Has the registrant claimed substantial similarity to a registered product?
☐ Yes; ☒ No; if yes give the registration number of the cited product.
3. All the source materials for the active ingredients are derived from the registered sources:
☒ Yes; ☐ No.

BARCODE No.: 427469; **DECISION No.:** 503495; **PRODUCT NAME:** GF-3471;
PC CODE(s): 117403, 121601 & 122990; **FILE SYMBOL No.:** 62719-AOG; **FOOD Use:** Yes;

4. All inert ingredients have been screened by IIAB and found to be approved for the proposed labeled uses: ☒ Yes; ☐ No.

5. Confidential Statement of Formula(s):

☒ Basic CSF dated March 11, 2015

☐ Alternate CSF: None submitted

6. Product label

a. Ingredient statement: Nominal concentration of AI listed on CSF(s) concur with product label (PR Notice 91-2).

☒ Yes, if not, explain below:

Is the sub statement in compliance with PR Notice 97-6 (inert ingredient vs other ingredient)?

☒ Yes; ☐ No; if not, explain below:

Metallic equivalent: ☐ Yes ☒ NA;

Soluble arsenic: ☐ Yes ☒ NA

Isomeric ratios: ☐ Yes ☒ NA

Acid equivalent: ☐ Yes ☒ NA; {name} Clopyralid acid equivalent = 2.1 %

b. Health related sub statements: Product contains?

Petroleum distillate at > 10%: ☐ Yes ☒ No ☐ NA

Methanol at > 4%: ☐ Yes ☒ No ☐ NA

Sodium nitrate/Sodium nitrite ☐ Yes ☒ No ☐ NA

c. Physical chemical hazard statement: Product label requires a statement per 40 CFR §156.78 for: flammability, explosive potential or electric insulator breakdown?

☐ Yes ☒ No

Is the sub statement in compliance with PR Notice 98-6 (Total Release Fogger)?

☐ Yes, ☐ No, ☒ NA, if not, explain below:

d. Label requires an additional Storage and Disposal statement:

☐ Yes ☒ No

BARCODE No.: 427469; **DECISION No.:** 503495; **PRODUCT NAME:** GF-3471;
PC CODE(s): 117403, 121601 & 122990; **FILE SYMBOL No.:** 62719-AOG; **FOOD Use:** Yes;

7. Group A: Product Chemistry Data

CITAB's determination of the acceptability for the proposed product is listed in the tables below.

Guideline No.	Study Title		Data submitted		TRB's Assessment of Data	MRID Nos.
			Yes	No		
830.1550	Product Identity & Composition		X		A	495549-01
830.1600	Description of materials used to produce the product		X		A	495549-01
830.1650	Description of formulation process		X		A	495549-01
830.1670	Discussion on the formation of impurities		X		A	495549-01
830.1700	Preliminary analysis			X	NA	
830.1750	Certified limits (158.350)	Standard certified Limits	X		A	495549-01
		Proposed Limits				
		Justification for wider limits				
830.1800	Enforcement analytical method		X		A (Validated HPLC)	495549-01

BARCODE No.: 427469; **DECISION No.:** 503495; **PRODUCT NAME:** GF-3471;
PC CODE(s): 117403, 121601 & 122990; **FILE SYMBOL No.:** 62719-AOG; **FOOD Use:** Yes;

8. Group B:

Guideline No.	Study Title	Value or Qualitative Description	TRB's Assessment of Data	MRID Nos.
830.6303	Physical State	Tan liquid with a mild odor	A	495549-02
830.6314	Oxidation/ Reduction	The product did react with oxidizing or reducing agents	A	495549-02
830.6315	Flammability	Not flammable, above 100 C	A	495549-02
830.6316	Explodability	None	A	495549-02
830.7000	pH	2.99 at 22 C	A	495549-02
830.7100	Viscosity	Non Newtonian, decreasing with increasing shear at 20 and 40C	A	495549-02
830.7300	Density (units)	1.0857 gm/ml	A	495549-02

BARCODE No.: 427469; **DECISION No.:** 503495; **PRODUCT NAME:** GF-3471;
PC CODE(s): 117403, 121601 & 122990; **FILE SYMBOL No.:** 62719-AOG; **FOOD Use:** Yes;
CONCLUSIONS:

CITAB has reviewed the CSF(s) and product chemistry data for the proposed end use product and has concluded:

1. The proposed Basic CSF dated March 11, 2015 is acceptable.
2. The registrant satisfied the Group A and B data requirements with the exception of the storage stability (guideline 830.6317) and corrosion characteristics (guideline 830.6320) data studies which were not included with this submission and must be submitted when completed.
3. Clopyralid monoethanolamine salt name must replace Clopyralid as the name of the active ingredient on the label



Dow AgroSciences LLC
9330 Zionsville Road Indianapolis, IN 46268 USA

www.dowagro.com

308/2E
April 15, 2015

Document Processing Desk (APPL/ESUB/REGFEE)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

Attention: Reuben Baris/PM-25 (7505P)

GF-3471 (AI: ACETOCHLOR + MESOTRIONE + CLOPYRALID)
EPA REGISTRATION NUMBER: 62179-XXX
APPLICATION FOR NEW REGISTRATION - SECTION 3

Dow AgroSciences (DAS) is respectfully submitting application for a new Section 3 product registration for GF-3471 herbicide, containing the active ingredients acetochlor, mesotrione, and clopyralid. This submission aligns with PRIA code R314, new end use product containing two or more registered active ingredients never before registered as this combination in a formulated product.

Contents of Submission (CD containing e-PRISM.xml New Section 3 as follows)

Volume No.	Administrative Contents
Volume #1	<ul style="list-style-type: none">▪ Transmittal document (this letter)▪ General Summaries for Public Release (7)▪ <u>Complimentary Copy</u>: Pay Gov Payment Confirmation ID: 25JIS5TV, 74745520496▪ EPA Form 8570-1, Application for Pesticide▪ EPA Form 8570-27, Formulator's Exemption Statement▪ EPA Form 8570-34, Certification with Respect to Citation of Data▪ EPA Form 8570-35, Data Matrix - Agency Copy (38 Pages)▪ EPA Form 8570-35, Data Matrix - Public File Copy (38 Pages)▪ Confidential Statement of Formula (Basic) entitled GF-3471 dated 11Mar15 (4 Pages)▪ Label entitled GF-3471 (T3B/ GF-3471 / Prop Sec 3 /04-15-15) (28 Pages plus Registration Notes) (062719-00XXX.20150415.GF-3471-XXX 15Apr15d.pdf)

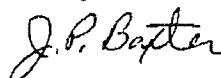
Volume No. OPPTS/Guideline	MRID	Contents (Cont)
Volume #2 (830.1550,830.1600 830.1650,830.1670 830.1750,830.1800)	49554901	Group A-Product Identity and Composition, Description of Materials Used to Produce the Product, Description of Formulation Process, discussion of Formation of Impurities, Certified Limits and Enforcement Analytical Method for GF-3471, an End Use Product Containing Clopyralid-olamine and Mesotrione Author: Wilson, S., et al. Report Date: 18-Mar-2015 Study ID: NAFST-15-18 Pages: 1-76 (incl (PDF) conf attach Pages 1-132)
Volume #3 (830.6302,830.6303 830.6304,830.6314 830.6315,830.6316 830.7000,830.7100 830.7300)	49554902	Group B-Physical/Chemical Properties for GF-3471, A Liquid End Use Product Containing Clopyralid-olamine, Mesotrione, Furlazole and Acetochlor Author: Moe, Theresa Report Date: 19-Feb-2015 Study ID: NAST-14-356 Pages: 1 – 5 (PDF)
Volume #6 (870.1100)	49554903	Acute Oral Toxicity Study of GF-3471 in Rats Author: Verma, Ramesh Report Date: 03-Mar-2015 Study ID: 141189 401-1-01-10266 Pages: 1 – 37 (PDF)
Volume #7 (870.1200)	49554904	Acute Dermal Toxicity Study of GF-3471 in Rats Author: : Verma, Ramesh Report Date: 04-Mar-2015 Study ID: 141190 403-1-01-10267 Pages: 1 – 36 (PDF)
Volume #8 (870.1300)	49554905	Acute Inhalation Toxicity Study of GF-3471 in Rats Author: : Verma, Ramesh Report Date: 03-Mar-2015 Study ID: 141194 405-1-01-10271 Pages: 1 – 62 (PDF)

REUBEN BARIS/PM-25 (7505P)
GF-3471 (AI: ACETOCHLOR + MESOTRIONE + CLOPYRALID)
EPA REGISTRATION NUMBER: 62179-XXX
APPLICATION FOR NEW REGISTRATION - SECTION 3
April 15, 2015
Page 2

Volume No. OPPTS/Guideline	MRID	Contents (Cont)
Volume #9 (870.2400)	49554906	Acute Eye Irritation of GF-3471 in Rabbits Author: Verma, Ramesh Report Date: 04-Mar-2015 Study ID: 141192 407-1-01-10269 Pages: 1 – 42 (PDF)
Volume #10 (870.2500)	49554907	Acute Dermal Irritation Study of GF-3471 in Rabbits Author: Verma, Ramesh Report Date: 03-Mar-2015 Study ID: 141191 406-1-01-10268 Pages: 1 – 36 (PDF)
Volume #11 (870.2600)	49554908	Skin Sensitisation Study of GF-3471 by Local Lymph Node Assay in Mice Author: Verma, Ramesh Report Date: 04-Mar-2015 Study ID: 141193 409-1-01-10270 Pages: 1 – 58 (PDF)

Please send your EPA PRIA confirmation to PRIAtrack@dow.com. If you require additional information, please contact Nestor Algarin, Registration Specialist for this product, at 317-337-5148 (nalgarin@dow.com) or Kim Williamson, Registration Assistant, at 317-337-4657 (kmwilliamson@dow.com).

Sincerely,



Jim Baxter
Regulatory Leader – Regulatory Affairs
317-337-4388
317-337-4649 (FAX)
jpbaxter@dow.com

From: [Wiley, Tracey \(TR\)](#)
To: [Williamson, Kim \(KM\)](#)
Cc: [FAGUSRG](#)
Subject: FW: Pay.gov Payment Confirmation: PRIA Service Fees GF-3471 - Acetochlor COMPLIMENTARY COPY
Date: Friday, January 30, 2015 9:35:14 AM

-----Original Message-----

From: notification@pay.gov [<mailto:notification@pay.gov>]
Sent: Friday, January 30, 2015 9:34 AM
To: Wiley, Tracey (TR)
Subject: Pay.gov Payment Confirmation: PRIA Service Fees

Your payment has been submitted to Pay.gov and the details are below. If you have any questions regarding this payment, please contact Michael Yanchulis at (703) 347-0237 or yanchulis.michael@epa.gov.

Application Name: PRIA Service Fees
Pay.gov Tracking ID: 25JIS5TV
Agency Tracking ID: 74745520496
Transaction Type: Sale
Transaction Date: 01/30/2015 09:33:41 AM EST

Account Holder Name: Tracey Wiley

Transaction Amount: \$6,310.00
Billing Address: State Regulatory
Billing Address 2: 9330 Zionsville Road
City: Indianapolis
State/Province: IN
Zip/Postal Code: 462681054
Country: USA
Card Type: Visa
Card Number: *****4289

Registration Number: 62719-XXX GF-3471
Company Name: Dow AgroSciences LLC
Company Number: 62719
Action Code: R314

THIS IS AN AUTOMATED MESSAGE. PLEASE DO NOT REPLY.

e-Submission



United States
Environmental Protection Agency
Washington, DC 20460

☒ Registration
☐ Amendment
☐ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number Dow AgroSciences/62719-XXX	2. EPA Product Manager Reuben Baris (7505P)	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Dow AgroSciences/ GF-3471	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input checked="" type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

PRIA CONTACT: Jim Baxter e-mail: jpbaxter@dow.com

Proposed new Section 3 registration. This action is a new product, GF-3471, 62719-XXX. Therefore, this action is EPA No. R314.47, for a fee of \$6,310.00 (PRIA Service Fee Confirmation: Pay.gov Tracking ID: 25JIS5TV Agency Tracking ID: 74745520496).

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	
				<input checked="" type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 2 x 2.5 gal; Bulk Tank		5. Location of Label Directions <input checked="" type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Jim Baxter	Title Regulatory Manager	Telephone No. (Include Area Code) (317) 337-4388 (fax: 317-337-4649)
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		8. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Manager	
4. Typed Name Jim Baxter	5. Date April 15, 2015	



United States
Environmental Protection Agency
Washington, DC 20460
Formulator's Exemption Statement
(40 CFR 152.85)

Applicant's Name and Address Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46168	EPA File Symbol/Registration Number 62719-XXX
	Product Name GF-3471
	Date of Confidential Statement of Formula (EPA Form 8570-4) 03/11/2015

As an authorized representative of the applicant for registration of the product identified above, I certify that:

- (1) This product contains the following active ingredient(s):

Acetochlor, Mesotrione, Clopyralid

- (2) Of these, each active ingredient listed in paragraph (4) is present solely as the result of the use of that active ingredient in the manufacturing, formulation or repackaging another product which contains that active ingredient which is registered under FIFRA Section 3, is purchased by us from another person and meets the requirements of 40 CFR section 158.50(e)(2) or (3).

- (3) Indicate by checking (A) or (B) below which paragraph applies:

- ☒ (A) An accurate Confidential Statement of Formula (EPA FORM 8570-4) for the above identified product is attached to this statement.

That formula statement indicates, by company name, registration number, and product name, the source of the active ingredient(s) listed in paragraph (1).

OR

- ☐ (B) The Confidential Statement of Formula (CSF)(EPA Form 8570-4) referenced above and on file with the EPA is complete, current, an accurate and contains the information required on the current CSF.

- (4) The following active ingredients in this product qualify for the formulator's exemption.

Source		
Active Ingredient	Product Name	Registration Number
Acetochlor	[REDACTED]	[REDACTED]
Mesotrione	[REDACTED]	[REDACTED]
Signature 	Name and Title Jim Baxter, Regulatory Manager	Date 04/15/2015

EPA Form 8570-27 (Rev. 06-2004)

Copy 1 - EPA
Copy 2 - Applicant copy

Product Source information may be entitled to confidential treatment



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
1200 Pennsylvania Avenue, N.W.
WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, Collection Strategies Division (2822T), U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, N.W., Washington, DC 20460. Do not send the completed form to this address.

Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number
 Dow AgroSciences LLC, 9300 Zionsville Road, Indianapolis, IN 46268

EPA Registration Number/File Symbol
 62719-XXX

Active Ingredient(s) and/or representative test compound(s)
 Acetochlor, Mesotrione, Clopyralid

Date
 April 15, 2015

General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158)
 Terrestrial food and non-food crop uses

Product Name
 GF-3471

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☒ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature

J.P. Baxter

Date

April 15, 2015

Typed or Printed Name and Title

Jim Baxter, Regulatory Manager




UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

491 N Street S.W.
Washington D.C. 20460

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DATA MATRIX

Page 1 of 38

Date: April 15, 2015		EPA Reg No./File: 62719-XXX			
Applicant's/Registrant's Name & Address Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268-1054		Product GF-3471			
Ingredient: Acetochlor, Mesotrione, Clopyralid,					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product Identity and Composition	49554901	62719	OWN	Submitting Today
830.1600	Description of Materials Used to Produce the Product	49554901	62719	OWN	Submitting Today
830.1650	Description of Formulation Process	49554901	62719	OWN	Submitting Today
830.1670	Discussion of Formation of Impurities	49554901	62719	OWN	Submitting Today
830.1750	Preliminary Analysis	49554901	62719	OWN	Submitting Today
830.1800	Enforcement Analytical Method	49554901	62719	OWN	Submitting Today
830.6302	Color	49554902	62719	OWN	Submitting Today
830.6303	Physical State	49554902	62719	OWN	Submitting Today
830.6304	Odor	49554902	62719	OWN	Submitting Today
830.6314	Oxidation / Reduction: Chemical Incompatability	49554902	62719	OWN	Submitting Today
830.6315	Flammability	49554902	62719	OWN	Submitting Today
830.6316	Explosability	49554902	62719	OWN	Submitting Today
830.6317	Storage stability	N/A FOR END USE			
830.6319	Miscibility	N/A FOR END USE			
830.6320	Corrosion characteristics	N/A FOR END USE			
830.6321	Dielectric breakdown voltage	N/A FOR END USE			
830.7000	pH	49554902	62719	OWN	Submitting Today
830.7100	Viscosity	49554902	62719	OWN	Submitting Today
830.7300	Density/relative density/bulk density	49554902	62719	OWN	Submitting Today
830.7370	Dissociation constant in water	N/A FOR END USE			
Signature:		Name and Title:		Date:	
		Jim Baxter, Regulatory Manager			15-Apr-15



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Washington D.C. 20460

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DATA MATRIX

Page 2 of 38

Date: April 15, 2015	EPA Reg No./File:	62719-XXX			
Applicant's/Registrant's Name & Address Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268-1054		Product GF-3471			
Ingredient: Acetochlor, Mesotrione, Clopyralid,					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7550	Partition coefficient (n-octanol/water), shake flask method	N/A FOR END USE			
830.7570	Partition coefficient (n-octanol/water), estimation by liquid chromatography	N/A FOR END USE			
830.7840	Water Solubility: column elution method, shake flask method	N/A FOR END USE			
830.7860	Water Solubility: generator column method	N/A FOR END USE			
830.7950	Vapor pressure	N/A FOR END USE			
870-1100	Acute Oral Tox Data	49554903	62719	OWN	Submitting Today
870-1200	Acute Dermal Tox Data	49554904	62719	OWN	Submitting Today
870-1300	Acute Inhalation Tox in the Rat	49554905	62719	OWN	Submitting Today
870-2400	Primary Eye Irritation in the Rabbit	49554906	62719	OWN	Submitting Today
870-2500	Primary Dermal Irritation	49554907	62719	OWN	Submitting Today
870-2600	Dermal Sensitization	49554908	62719	OWN	Submitting Today
Acetochlor Technical/Generic					
830.1550	Product Identity and Composition	46472801	62719	OWN	
830.1600	Description of Materials Used to Produce the Product	46472801	62719	OWN	
830.1650	Description of Formulation Process	46472801	62719	OWN	
830.1670	Discussion of Formation of Impurities	46472801	62719	OWN	
830.1750	Preliminary Analysis	46472801	62719	OWN	
830.1800	Enforcement Analytical Method	46472801	62719	OWN	
830.6302	Color	46472801	62719	OWN	
830.6303	Physical State	46472801	62719	OWN	
830.6304	Odor	46472801	62719	OWN	



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DATA MATRIX

Page 3 of 38

Date: April 15, 2015

EPA Reg No./File: 62719-XXX

Applicant's/Registrant's Name & Address

Product

Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268-1054

GF-3471

Ingredient: Acetochlor, Mesotrione, Clopyralid,

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6314	Oxidation / Reduction: Chemical Incompatability	46472801	62719	OWN	
830.6315	Flammability	46472801	62719	OWN	
830.6316	Explosibility	46472801	62719	OWN	
63-17	Storage Stability	43955502	524	PER	
63-20	Corrosion Characteristics	43955502	524	PER	
830.7000	pH	46472801	62719	OLD	
830.7100	Viscosity	46472801	62719	OLD	
81-1	Acute Oral Tox Data	44632704	66478	OWN	
81-1	Acute Oral Tox Data	44632703	66478	OWN	
81-2	Acute Dermal Tox Data	41565105	100	OLD	
81-3	Acute Inhalation Tox In the Rat	41963308	100	OLD	
81-4	Primary Eye Irritation in the Rabbit	41592003	100	OLD	
81-5	Primary Dermal Irritation	41565107	100	OLD	
81-6	Dermal Sensitization	41565108	100	OLD	
71-4(a)	Avian Reproductive Tox in Bobwhite Quail	43383102	524	PER	
71-4(b)	Avian Reproductive Tox in Mallard Duck	44977201	524	PER	
71-4(b)	Avian Reproductive Tox in Mallard Duck	43383101	524	PER	
71-4	Avian Reproductive Tox	43336901	524	PER	
72-1	Fish Acute Tox, Freshwater and Marine	45357509	524	PER	
72-1(c)	Fish Toxicity in Rainbow Trout	45357509	524	PER	
72-1(c)	Fish Toxicity in Rainbow Trout	44632701	524	PER	
72-2	Aquatic Invertebrate Acute Tox, Freshwater Daphnids	45357509	524	PER	



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DATA MATRIX

Page 4 of 38

Date: April 15, 2015		EPA Reg No./File: 62719-XXX			
Applicant's/Registrant's Name & Address Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268-1054		Product GF-3471			
Ingredient: Acetochlor, Mesotrione, Clopyralid,					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
72-2	Aquatic Invertebrate Acute Tox, Freshwater Daphnids	44632702	524	PER	
72-2	Aquatic Invertebrate Acute Tox, Freshwater Daphnids	42713105	524	PER	
72-3(a)	Toxicity to Estuarine and Marine Organisms in (a) Fish	42713102	524	PER	
72-3(b)	Toxicity to Estuarine and Marine Organisms in (b) Mollusks	42713103	524	PER	
72-3(c)	Toxicity to Estuarine and Marine Organisms in (c) Shrimp	42713101	524	PER	
72-4	Early Life Stage in Life Cycle in Aquatic Invertebrates	45357509	524	PER	
72-4(a)	Early Life Stage in Life Cycle in Aquatic Invertebrates	42713104	524	PER	
72-4(b)	Early Life Stage in Life Cycle in Aquatic Invertebrates	42713105	524	PER	
OECD 202	Daphnid Chronic Tox	45313812	66478	OWN	
850-1500	Residue Chemistry	48475001	66478	OWN	
N/A	R290130: Acute Toxicity to Rainbow Trout (<i>Oncorhynchus mykiss</i>)	ADMIN	66478	OWN	
82-1	90 Day Oral Tox in Rodents	45313805	524	PER	
82-1	90 Day Oral Tox in Rodents	41565116	100	OLD	
82-3	90 Day Subchronic Dermal Tox	0118943	524	PER	
83-1	Chronic Tox	45367404	524	PER	
83-1	Chronic Tox	44496206	524	PER	
83-1	Chronic Tox	41565118	524	PER	
83-2	Carcinogenicity	44496204	524	PER	
83-2	Carcinogenicity	44496206	524	PER	
83-4	Reproduction and Fertility Effects	45357503	524	PER	
870.5300	In vitro Mammalian Cell Gene Mutation	44863204	524	PER	



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DATA MATRIX

Page 5 of 38

Date: April 15, 2015

EPA Reg No./File: 62719-XXX

Applicant's/Registrant's Name & Address

Product

Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268-1054

GF-3471

Ingredient: Acetochlor, Mesotrione, Clopyralid,

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.5450	Rodent Dominant Lethal Assay	44093702	524	PER	
870.5450	Rodent Dominant Lethal Assay	44093703	524	PER	
870.5450	Rodent Dominant Lethal Assay	44093701	524	PER	
870.5450	Rodent Dominant Lethal Assay	44069502	524	PER	
870.5450	Rodent Dominant Lethal Assay	44093704	524	PER	
870.5550	Unscheduled DNA Synthesis in Mammalian Cells in Culture	43785701	524	PER	
84-2	Bacterial Reverse Mutation	44863202	524	PER	
84-2	Bacterial Reverse Mutation	44863203	524	PER	
84-2	Gene Mutation and Structural Chromosome Aberration, Other Genotoxic Effects	44632705	524	PER	
84-2	Bacterial Reverse Mutation	44632706	524	PER	
84-2	Gene Mutation and Structural Chromosome Aberration, Other Genotoxic Effects	44069501	524	PER	
84-2	Bacterial Reverse Mutation	44863201	524	PER	
84-2(a)	In Vitro Mammalian Cell Gene Mutation	43785702	524	PER	
84-2(a)	In Vitro Mammalian Cell Gene Mutation	42713118	524	PER	
85-1	Metabolism and Pharmacokinetics	44496203	524	PER	
85-1	Metabolism and Pharmacokinetics	44496202	524	PER	
N/A	Acetochlor: Dietary Exposure and Risk Assessment Based on New EPA Food Safety Requirements for Children	44107108	524	PER	
N/A	Acetochlor: Dietary Exposure and Risk Assessment	43014901	524	PER	



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Applicant's/Registrant's Name & Address Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268-1054		Product GF-3471			
Ingredient: Acetochlor, Mesotrione, Clopyralid,					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
N/A	Acetochlor: Dietary Exposure and Risk Assessment Based on New EPA Food Safety Requirements for Children	44107108	524	PER	
N/A	Acetochlor: Dietary Exposure and Risk Assessment	43014901	524	PER	
N/A	Effect of Dietary Administration of Acetochlor on Cell Proliferation in the Liver of Male CD-1 [®] Mice	44863601	524	PER	
N/A	An Evaluation of the Oncogenic Potential of Acetochlor - Report of an Expert Panel (Supplemental to MRIDs: 44496201 thru 44496217, 44530001 & 44530002)	44824201	524	PER	
N/A	The In Vitro Metabolism of the Sulphoxide Metabolite of Acetochlor in Rat and Mouse Liver and Nasal Tissues	44530001	524	PER	
N/A	Acetochlor: Assessment of Oncogenic Potential in Rodents and Lack of Relevance to Humans	44496201	524	PER	
N/A	The In Vitro Metabolism of Acetochlor in Rat, Mouse and Primate Liver and Nasal Tissues	44530002	524	PER	
N/A	Evaluation of the Potential Carcinogenicity and Genetic Toxicity to Humans of the Herbicide Acetochlor	44069503	524	PER	
N/A	Use of the Comet Assay to Assess Genetic Toxicity in the Nasal Olfactory Cells of Rats Exposed to Acetochlor in Diet (Supplemental to MRID 44496215)	44863208	524	PER	
N/A	Acute Hepatotoxicity of Three Reference Liver Genotoxins (Supplemental to MRID 44496215)	44863206	524	PER	



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Ingredient: Acetochlor, Mesotrione, Clopyralid,					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
N/A	Acute Toxicity of Acetochlor to the Liver: Further Pathological and Biochemical Studies (Supplemental to MRID 44496215)	44863207	524	PER	
N/A	Acute Toxicity of Acetochlor to the Liver: Pathological and Biochemical Studies (Supplemental to MRID 44496215)	44863205	524	PER	
N/A	Acetochlor: Male Reproductive Tract Pathology Study in the Rat (Supplemental to MRID 44496216)	44863209	524	PER	
N/A	Acetochlor: An Aggregate Risk Assessment in Support of a Tolerance Petition for Rotational Crops	45322101	524	PER	
N/A	Summary of the Acetochlor Registration Partnership Position Regarding the Oncogenic Effects of Acetochlor In Rats and Mice	45367401	66478	OWN	
N/A	Expert Report on Renal Histopathologic Changes in a Mouse Study (Monsanto Study PR-80-007)	45367402	66478	OWN	
N/A	Pathology Working Group Peer Review of Proliferative Lesions in the Kidney of Female Mice from as 24-Month Oncogenicity Study in the Mouse with Acetochlor	45367403	66478	OWN	
N/A	Pathology Working Group Peer Review of Neoplastic Lesions in the Femur and Non-Glandular Stomach of Male and Female Rats from as Combined Oncogenicity and Toxicity Study in Dietary Administration to CD Rats for 104 Weeks with Acetochlor	45367404	66478	OWN	
N/A	Supplement to: In Vitro Metabolism of Acetochlor in Rat, Mouse, Primate and Human Liver and Nasal Tissues	ADMIN	66478	OWN	



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Product

Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268-1054

GF-3471

Ingredient: Acetochlor, Mesotrione, Clopyralid,

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
N/A	Response to USEPA Data Evaluation: In Vitro Metabolism of Acetochlor in Rat, Mouse, and Primate Liver and Nasal Tissues [TXR#0050658, MRID 44530002]	ADMIN	66478	OWN	
N/A	Acetochlor: Justification for reclassification of Carcinogenic Potential	ADMIN	66478	OWN	
N/A	Technical Response to Agency Reviews of Three Acetochlor Mechanistic Studies [MRIDs 44496210, 44496211 and 44496212]	ADMIN	66478	OWN	
N/A	Histopathological Reevaluation of Dog Testes and Epididymides from a One-Year Dog Study (CTL/C/2194) (Reference to MRID 41565118)	ADMIN	66478	OWN	
123-2(a)	Algal Toxicity, Tiers I & II	44632707	524	PER	
123-2(a)	Algal Toxicity, Tiers I & II	43311501	524	PER	
123-1(b)	Tier 2 - Vegetative Vigor	42713119	524	PER	
123-2	Algal Toxicity, Tiers I & II	42713108	524	PER	
123-2(a)	Algal Toxicity, Tiers I & II	42713110	524	PER	
123-2(a)	Algal Toxicity, Tiers I & II	42713109	524	PER	
123-2(b)	Aquatic Plant Tox Using Lemna spp. Tiers I and II	42713107	524	PER	
123-2	Aquatic Plant Tox Using Lemna spp. Tiers I and II	45357509	524	PER	
132-1(a)	Foliar Residue Dissipation	Waiver	524	PER	
133-3(b)	Dermal Passive Dosimetry Exposure	Waiver	524	PER	
133-4	Inhalation Passive Dosimetry Exposure	Waiver	524	PER	



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GF-3471

Ingredient: Acetochlor, Mesotrione, Clopyralid,

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
161-1	Hydrolysis	41613301	524	PER	
161-1	Hydrolysis	41565144	524	PER	
161-1	Hydrolysis	00131388	524	PER	
161-2	Photodegradation in Water	41565145	100	OLD	
161-3	Photodegradation on Soil	41565146	524	PER	
162-1	Aerobic Soil Metabolism	41963317	524	PER	
162-1	Aerobic Soil Metabolism	41963316	524	PER	
162-2	Anaerobic Soil Metabolism	41963318	524	PER	
163-1	Leaching and Adsorption/Desorption	41565149	524	PER	
164-1	Soil Field Dissipation	43255008	100	OLD	
164-1	Soil Field Dissipation	46296901	66478	OWN	
164-1	Soil Field Dissipation	46237705	66478	OWN	
164-1	Soil Field Dissipation	46237703	66478	OWN	
164-1	Soil Field Dissipation	46237704	66478	OWN	
164-1	Soil Field Dissipation	46237702	66478	OWN	
164-1	Soil Field Dissipation	46237707	66478	OWN	
164-1	Soil Field Dissipation	46237701	66478	OWN	
164-1	Soil Field Dissipation	43255008	66478	OLD	
165-2	Field Rotational Crop Study	45322106	100	OWN	
165-2	Field Rotational Crop Study	45322107	524	PER	
165-2	Field Rotational Crop Study	44107106	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	46138601	66478	OWN	



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Ingredient: Acetochlor, Mesotrione, Clopyralid,					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
166-1	Small Scale Prospective Groundwater Monitoring Study	43944901	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	44193101	524	PER	
166-3	Large Scale Retrospective Groundwater Monitoring Study	45449601	66478	OWN	
166-3	Large Scale Retrospective Groundwater Monitoring Study	43899601	66478	OWN	
166 Series	Groundwater Studies	45020201	524	PER	
166 Series	Groundwater Studies	44952101	524	PER	
166 Series	Groundwater Studies	44948701	524	PER	
166 Series	Groundwater Studies	44932501	524	PER	
166 Series	Groundwater Studies	44848201	524	PER	
166 Series	Groundwater Studies	44805901	524	PER	
166 Series	Groundwater Studies	44805902	524	PER	
166 Series	Groundwater Studies	44745801	524	PER	
166 Series	Groundwater Studies	44641501	524	PER	
166 Series	Groundwater Studies	44641401	524	PER	
166 Series	Groundwater Studies	44592401	524	PER	
166 Series	Groundwater Studies	44579001	524	PER	
166 Series	Groundwater Studies	44603601	524	PER	
166 Series	Groundwater Studies	44603602	524	PER	
166 Series	Groundwater Studies	44603603	524	PER	
166 Series	Groundwater Studies	44603604	524	PER	
166 Series	Groundwater Studies	44712301	524	PER	
166 Series	Groundwater Studies	44639501	524	PER	



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Ingredient: Acetochlor, Mesotrione, Clopyralid,					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
166 Series	Groundwater Studies	44599201	524	PER	
166 Series	Groundwater Studies	44529801	524	PER	
166 Series	Groundwater Studies	44422501	524	PER	
166 Series	Groundwater Studies	44469501	524	PER	
166 Series	Groundwater Studies	44469501	524	PER	
166 Series	Groundwater Studies	44459601	524	PER	
166 Series	Groundwater Studies	44459601	524	PER	
166 Series	Groundwater Studies	44376501	524	PER	
166 Series	Groundwater Studies	44376401	524	PER	
166 Series	Groundwater Studies	44299501	524	PER	
166 Series	Groundwater Studies	43924301	524	PER	
166 Series	Groundwater Studies	44002501	524	PER	
166 Series	Groundwater Studies	43580501	524	PER	
166 Series	Groundwater Studies	43817702	524	PER	
166 Series	Groundwater Studies	43817701	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	45038601	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	44960901	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	44884901	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	44875701	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	44817001	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	44757501	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	44752801	524	PER	



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GF-3471

Ingredient: Acetochlor, Mesotrione, Clopyralid,

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
166-1	Small Scale Prospective Groundwater Monitoring Study	44738401	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	44475501	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	44685001	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	44616501	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	44547201	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	44523101	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	44259801	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	44492401	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	44406001	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	44402801	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	44348001	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	44332901	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	44221601	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	44221601	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	44208001	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	44193101	524	PER	
166-1	Small Scale Prospective Groundwater Monitoring Study	43944901	524	PER	
N/A	Independent Laboratory Validation of "Determination of Soil Degradates of Acetochlor, alachlor, and Metolachlor in Aqueous Environmental Specimens by LC/MS/MS"	45449502	66478	OWN	
N/A	The Determination of Residues of Acetochlor and Its Oxanilic Acid Metabolite in Water	44632708	524	PER	

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Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268-1054

GF-3471

Ingredient: Acetochlor, Mesotrione, Clopyralid,

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N/A	Acetochlor Registration Partnership Groundwater Monitoring program (GWM) September 1995 - December 1996 Progress Report	ADMIN	66478	OWN	
N/A	Acetochlor Registration Partnership Groundwater Monitoring program (GWM) June 1995 - September 1996 Progress Report	ADMIN	66478	OWN	
N/A	State Ground Water Monitoring Program for Acetochlor and Other Corn Herbicides - Part 2. 1995 Progress Report (WRC-96-032)	ADMIN	66478	OWN	
N/A	Acetochlor Registration Partnership Ground Water Monitoring Program Sites in Wisconsin Volume 8	ADMIN	66478	OWN	
N/A	Acetochlor Registration Partnership Ground Water Monitoring Program Sites in Kansas Volume 5	ADMIN	66478	OWN	
N/A	Acetochlor Registration Partnership Ground Water Monitoring Program Sites in Minnesota Volume 6	ADMIN	66478	OWN	
N/A	Acetochlor Registration Partnership Ground Water Monitoring Program Sites in Nebraska Volume 7	ADMIN	66478	OWN	
N/A	Acetochlor Registration Partnership Ground Water Monitoring Program Sites in Indiana Volume 4	ADMIN	66478	OWN	
N/A	Acetochlor Registration Partnership Ground Water Monitoring Program Sites in Illinois Volume 3	ADMIN	66478	OWN	
N/A	Acetochlor Registration Partnership 4th quarterly Report	ADMIN	66478	OWN	
171-4(b)	Nature of Residue in Livestock	43470001	524	PER	



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Ingredient: Acetochlor, Mesotrione, Clopyralid,					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4(b)	Nature of Residue in Livestock	42549903	100	OWN	
171-4(b)	Nature of Residue in Livestock	46507102	524	PER	
171-4(c)	Residue Analytical Method (Plants)	45357514	524	PER	
171-4(c)	Residue Analytical Method (Plants)	45357515	524	PER	
171-4(c)	Residue Analytical Method (Plants)	45357516	524	PER	
171-4(c)	Residue Analytical Method (Plants)	45357517	524	PER	
171-4(c)	Residue Analytical Method (Plants)	45322102	524	PER	
171-4(c)	Residue Analytical Method (Plants)	44107103	524	PER	
171-4(c)	Residue Analytical Method (Plants)	44107104	524	PER	
171-4(c)	Residue Analytical Method (Plants)	44107102	66478	OWN	
171-4(c)	Residue Analytical Method (Plants)	43226501	100	OLD	
171-4(c)	Residue Analytical Method (Plants)	43266501	10182	OLD	
171-4(c)	Residue Analytical Method (Plants)	42831607	524	PER	
171-4(c)	Residue Analytical Method (Plants)	42713111	524	PER	
171-4(d)	Residue Analytical Method	45322102	524	PER	
860.1380	Storage Stability	46446801	524	PER	
860.1380	Storage Stability	45483301	100	OWN	
860.1380	Storage Stability	46111902	66478	OWN	
171-4(e)	Storage Stability	44107107	524	PER	
171-4(e)	Storage Stability	42713117	524	PER	
171-4(k)	Crop Field Trials	44107105	100	OLD	
171-4(k)	Crop Field Trials	43616401	524	PER	



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Applicant's/Registrant's Name & Address Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268-1054	Product GF-3471				
Ingredient: Acetochlor, Mesotrione, Clopyralid,					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4(k)	Crop Field Trials	43616402	524	PER	
171-4(k)	Crop Field Trials	42713113	100	OWN	
171-4(k)	Crop Field Trials	42713113	100	OWN	
171-4(k)	Crop Field Trials	42713114	100	OWN	
171-4(k)	Crop Field Trials	42713114	100	OWN	
171-4(k)	Crop Field Trials	42713115	100	OWN	
171-4(k)	Crop Field Trials	42713115	100	OWN	
171-4(k)	Crop Field Trials	41561414	100	OWN	
171-4(k)	Crop Field Trials	130838/71959	524	PER	
171-4(l)	Magnitude of the Residue in Processed Food / Feed	453221121	524	PER	
171-4(l)	Magnitude of the Residue in Processed Food / Feed	45322110	100	OWN	
171-4(l)	Magnitude of the Residue in Processed Food / Feed	45322111	100	OWN	
171-4(l)	Magnitude of the Residue in Processed Food / Feed	42713116	100	OWN	
171-4(m)	Multi Residue Methodology	42713112	524	PER	
N/A	Acetochlor EC Herbicide, Residue Chemistry Regulatory Summary, Proposed Tolerances and Grounds in Support of Tolerances for Sweet Corn and Indirect or Inadvertent Tolerance in Non Grass Animal Feeds (Crop Group 18)	44107101	524	PER	
N/A	Standard Operating Procedure (RAM 280/02) Acetochlor: Method for the Determination of Residues Containing the Common Moieties 2-Ethyl-6-Methylaniline (EMA) and 2-(1-Hydroxyethyl)-6-Methylaniline (HEMA) in Crops	45322102	524	PER	



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Ingredient: Acetochlor, Mesotrione, Clopyralid,					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
N/A	Revised Residue Chemistry Data Summary	41963321	100	OLD	
N/A	Residue Chemistry Data Summary, Acetochlor, For Experimental Use on Field Corn, Silage Corn and Popcorn	41565155	100	OLD	
N/A	Application for Registration of Acetochlor for Use on Field Corn, Silage Corn and Popcorn. Unpublished study pre-pared by ICI Americas Inc. 51 p.	41963307	100	OLD	
N/A	Acetochlor EC Herbicide, Residue Chemistry Regulatory Summary, Proposed Tolerances and Grounds in Support of Tolerances for Sweet Corn and Indirect or Inadvertent Tolerance in Non Grass Animal Feeds (Crop Group 18)	44107101	524	PER	
N/A	Independent Laboratory Validation of "Multiresidue Analytical Method for the Determination of Acetochlor, Alachlor, Atrazine, Dimethenamid and Metolachlor in Aqueous Environmental Samples"	45449501	66478	OWN	
N/A	Standard Operating Procedure (RAM 280/02) Acetochlor: Method for the Determination of Residues Containing the Common Moieties 2-Ethyl-6-Methylaniline (EMA) and 2-(1-Hydroxyethyl)-6-Methylaniline (HEMA) in Crops	45322102	524	PER	
N/A	Acetochlor: Comparative Benefits Report	43037501	524	PER	
N/A	Acetochlor Comparative Benefits Report, Part 2	43016401	524	PER	
Lontrel 35A (62719-84) Technical and Generic Clopyralid					
61	Product Identity and composition	40151601	464	OLD	
61-1	Product Identity and composition	43143902	62719	OLD	



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Product

Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268-1054

GF-3471

Ingredient: Acetochlor, Mesotrione, Clopyralid,

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
61-1	Product Identity and Description	59657	464	OLD	
61-2(b)	Discussion of formation of impurities	43033503	62719	OLD	
62	Product Identity, Composition, and Analysis	40151601	464	OLD	
62-3	Enforcement analytical method	43033502	62719	OLD	
63	Physical/Chemical Properties	40151601	464	OLD	
81-1	Acute Oral Toxicity	40151602	464	OLD	
81-2	Acute dermal toxicity	40151603	464	OLD	
81-3	Acute Inhalation toxicity	40151607	464	OLD	
81-4	Acute eye toxicity	40151604	464	OLD	
81-5	Acute dermal toxicity	40151605	464	OLD	
81-6	Skin Sensitization	40151606	464	OLD	
61	Product Identity	43665902	62719	OLD	
61	Product Identity and composition	40368102	464	OLD	
61-1	Product Identity	43143903	62719	OLD	
830.1550	Product Identity and composition	44681201	62719	OWN	
830.1550	Product Identity and composition	46765501	62719	OWN	
830.1550	Product Identity and composition	47851901	62719	OWN	
830.1550	Product Identity and composition	46541501	62719	OWN	
830.1600	Description of materials used to product the product	46541501	62719	OWN	
830.1600	Description of materials used to product the product	46765501	62719	OWN	
830.1600	Description of materials used to product the product	47851901	62719	OWN	
830.1620	Description of production process	46541501	62719	OWN	

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Product

Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268-1054

GF-3471

Ingredient: Acetochlor, Mesotrione, Clopyralid,

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1620	Description of production process	46765501	62719	OWN	
830.1620	Description of production process	47851901	62719	OWN	
830.1700	Preliminary Analysis	47851901	62719	OWN	
62	Preliminary Analysis	40368102	464	OLD	
62-1	Preliminary Analysis	40574001	464	OLD	
62-1	Preliminary Analysis	43665903	62719	OLD	
62-1	Preliminary Analysis	43677101	62719	OLD	
\$830.1700	Preliminary Analysis	47749102	62719	OWN	
830.1570	Certified Limits	44681201	62719	OWN	
62-2	Certified Limits	40574001	464	OLD	
830.1750	Certified Limits	46541501	62719	OWN	
830.1750	Certified Limits	46765501	62719	OWN	
830.1750	Certified Limits	47851901	62719	OWN	
62-3	Enforcement analytical method	43677103	62719	OLD	
62-3	Enforcement analytical method	44204602	62719	OLD	
62-3	Enforcement analytical method	44204601	62719	OLD	
62-3	Analytical Methods to Verify Certified Limits	40368103	62719	OLD	
62-3	Enforcement analytical method	43677102	62719	OLD	
61-3	Product Identity	43143904	62719	OLD	
63	Physical/Chemical Properties	40368102	464	OLD	
81-1	Acute Oral Toxicity	71510	62719	OLD	
81-1	Acute Oral Toxicity	41641301	62719	OLD	



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Ingredient: Acetochlor, Mesotrione, Clopyralid,					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
81-1	Acute Oral Toxicity	44114101	62719	OLD	
81-2	Acute Dermal Toxicity	71510	464	OLD	
81-2	Acute Dermal Toxicity	41641302	62719	OLD	
81-2	Acute Dermal Toxicity	44114102	62719	OLD	
81-3	Acute Inhalation Toxicity	41641303	62719	OLD	
81-3	Acute Inhalation Toxicity	41848301	62719	OLD	
81-3	Acute inhalation toxicity	141551	464	OLD	
81-3	Acute Inhalation Toxicity	44114103	62719	OLD	
81-4	Acute Eye Irritation	71510	62719	OLD	
81-4	Acute Eye Irritation	41641304	62719	OLD	
81-4	Acute Eye Irritation	44114104	62719	OLD	
81-5	Acute dermal Irritation	71510	464	OLD	
81-5	Acute dermal Irritation	41641305	62719	OLD	
81-5	Acute Dermal Irritation	44114105	62719	OLD	
81-6	Skin Sensitization	41641306	62719	OLD	
81-6	Skin sensitization	141550	464	OLD	
81-6	Dermal Sensitization	44114106	62719	OLD	
830.1670	Discussion of formulation of impurities	46541501	62719	OWN	
830.1670	Discussion of formulation of impurities	46765501	62719	OWN	
830.1670	Discussion of formulation of impurities	47851901	62719	OWN	
61-1	Product Identity and composition	43143901	62719	OLD	
61-2	Description of materials used to produce the product	43143901	62719	OLD	

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Applicant's/Registrant's Name & Address

Product

Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268-1054

GF-3471

Ingredient: Acetochlor, Mesotrione, Clopyralid,

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
61-3	Discussion of formation of impurities	43143901	62719	OLD	
61	Product Identity	43665901	62719	OLD	
61	Product Identity and composition	40368103	464	OLD	
830.1550	Product Identity and composition	44493701	62719	OWN	
61-1	Product identity and composition	163518	464	OLD	
830.1550	Product Identity and Composition	44681101	62719	OWN	
830.1600	Description of materials used to produce the product	44493701	62719	OWN	
830.1620	Description of production process	44493701	62719	OWN	
830.1670	Discussion of formation of impurities	44493701	62719	OWN	
830.1670	Discussion of formation of impurities	44681101	62719	OWN	
62-1	Preliminary Analysis	163518	464	OLD	
62-1	Preliminary Analysis	40574100	464	OLD	
62-2	Certified Limits	40574100	464	OLD	
62-1	Preliminary Analysis	43033501	62719	OLD	
62-1	Preliminary Analysis	43143905	62719	OLD	
62	Preliminary Analysis	40368103	464	OLD	
62-1	Preliminary Analysis	40574101	464	OLD	
62-1	Preliminary Analysis	40574001	464	OLD	
62-1	Preliminary Analysis	43665903	62719	OLD	
62-1	Preliminary Analysis	43677101	62719	OLD	
830.1750	Certified Limits	44493701	62719	OWN	
830.1750	Certified Limits	44681101	62719	OWN	



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Product

Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268-1054

GF-3471

Ingredient: Acetochlor, Mesotrione, Clopyralid,

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
62-2	Preliminary Analysis	40574101	464	OLD	
62-3	Enforcement analytical method	40574001	464	OLD	
62-3	Enforcement analytical method	43677103	62719	OLD	
62-3	Analytical Methods to Verify Certified Limits	163517	464	OLD	
62-3	Analytical Methods to Verify Certified Limits	163517	464	OLD	
62-3	Analytical Methods to Verify Certified Limits	163517	464	OLD	
62-3	Analytical Methods to Verify Certified Limits	163517	464	OLD	
62-3	Analytical Methods to Verify Certified Limits	163517	464	OLD	
62-3	Enforcement analytical method	43677102	62719	OLD	
63	Physical/Chemical Properties	163518	464	OLD	
63	Physical/Chemical Properties	40368103	464	OLD	
81-1	Acute Oral Toxicity	44114101	62719	OLD	
81-2	Acute Dermal Toxicity	44114102	62719	OLD	
81-3	Acute Inhalation Toxicity	44114103	62719	OLD	
81-4	Acute Eye Irritation	44114104	62719	OLD	
81-5	Acute Dermal Irritation	44114105	62719	OLD	
81-6	Dermal Sensitization	44114106	62719	OLD	
61	Product Identity, Composition and Alaysis	59654	464	OLD	
61-1	Product Identity and composition	59654	464	OLD	
61-1	Product Identity and composition	59651	464	OLD	
61-1	Product Identity and composition	59650	464	OLD	
158.1550	Product Chemistry	42732401	62719	OLD	
830.1550	Product Identity and Composition	477491010	62719	OWN	



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Product

Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268-1054

GF-3471

Ingredient: Acetochlor, Mesotrione, Clopyralid,

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
158.1600	Product Chemistry	42732401	62719	OLD	
830.1600	Description of Materials Used to Produce the Product	477491010	62719	OWN	
830.1620	Description of Production Process	477491010	62719	OWN	
61-2(a)	Description of Beginning Materials and Manufacturing Process	59656	62719	OLD	
61-2(a)	Description of Beginning Materials and Manufacturing Process	59653	62719	OLD	
61-2(a)	Description of Beginning Materials and Manufacturing Process	59652	62719	OLD	
61-2(a)	Description of Beginning Materials and Manufacturing Process	59699	62719	OLD	
61-2(a)	Description of formulation process	59653	62719	OLD	
158.1650	Product Chemistry	42732401	62719	OLD	
61-2(b)	Discussion of formation of impurities	139984	464	OLD	
61-2(b)	Discussion of formation of impurities	59654	464	OLD	
61-2(b)	Discussion of formation of impurities	59699	62719	OLD	
158.1670	Product Chemistry	42732401	62719	OLD	
830.1670	Discussion of Formation of Impurities	477491010	62719	OWN	
62 Series	Preliminary analysis	59654	464	OLD	
158.1700	Product Chemistry	42732402	62719	OLD	
830.1700	Preliminary Analysis	477491010	62719	OWN	
62-2	Certified Limits	59701	62719	OLD	
62-2	Certified Limits	59700	62719	OLD	
62-2	Certified Limits	59658	464	OLD	
62-2	Certified Limits	62809	62719	OLD	



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Ingredient: Acetochlor, Mesotrione, Clopyralid,					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
158.1750	Product Chemistry	42732402	62719	OLD	
830.1750	Certified Limits	477491010	62719	OWN	
62-2	Certified Limits	59655	464	OLD	
62-3	Enforcement analytical method	62808	464	OLD	
158.1800	Product Chemistry	42732402	62719	OLD	
63-1	Physical/Chemical Properties	59659	464	OLD	
63	Physical/Chemical Properties	59651	464	OLD	
63	Physical/Chemical Properties	59654	464	OLD	
63-13	Stability to normal and elevated temperatures, metals, and metal ions	62808	464	OLD	
63-14	Oxidation/reduction: chemical incompatibility	62808	464	OLD	
63-15	Flammability	62808	464	OLD	
63-16	Explosibility	62808	464	OLD	
63-17	Storage Stability	59660	464	OLD	
63-17	Storage stability	62808	464	OLD	
63-19	Miscibility	62808	464	OLD	
63-20	Analytical Methods to Verify Certified Limits	62808	464	OLD	
63-12	pH	62808	464	OLD	
63-18	Viscosity	62808	464	OLD	
72-2	Aquatic invertebrate acute toxicity, test, freshwater daphnids	59972	62719	OLD	
72-2	Aquatic invertebrate acute toxicity, test, freshwater daphnids	40151608	464	OLD	
72-1(a)	Fish acute toxicity test, freshwater and marine	59969	62719	OLD	



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Ingredient: Acetochlor, Mesotrione, Clopyralid,

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
72-1	Fish acute toxicity test, freshwater and marine	40151608	464	OLD	
72-6	Oyster, BCF	128464	464	OLD	
71-1	Avian acute oral toxicity	59970	62719	OLD	
71-1	Avian acute oral toxicity	40151609	464	OLD	
71-2(b)	Avian dietary toxicity test	73641	62719	OLD	
71-2(a)	Avian dietary toxicity test	73640	62719	OLD	
71-2(a)	Avian dietary toxicity test	40151611	464	OLD	
71-2(b)	Avian dietary toxicity test	40151610	464	OLD	
81-1	Acute Oral Toxicity	81588	62719	OLD	
81-1	Acute Oral Toxicity	85432	464	OLD	
81-1	Acute Toxicity	85433	62719	OLD	
81-1	Acute Oral Toxicity	141551	62719	OLD	
81-1	Acute Toxicity	61384	62719	OLD	
81-1	Acute Oral Toxicity	127275	464	OLD	
81-2	Acute Dermal Toxicity	81588	62719	OLD	
81-2	Acute Dermal Toxicity	141551	62719	OLD	
81-2	Acute Dermal Toxicity	127275	62719	OLD	
81-3	Acute Inhalation Toxicity	254198	62719	OLD	
81-3	Acute Inhalation Toxicity	157130	464	OLD	
81-3	Acute inhalation toxicity	157129	464	OLD	
81-4	Acute Eye Irritation	81588	62719	OLD	
81-4	Acute Eye Irritation	141551	62719	OLD	



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Date: April 15, 2015

EPA Reg No./File: 62719-XXX

Applicant's/Registrant's Name & Address

Product

Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268-1054

GF-3471

Ingredient: Acetochlor, Mesotrione, Clopyralid,

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
81-4	Acute Eye Irritation	127275	464	OLD	
81-5	Acute dermal Irritation	81588	62719	OLD	
81-5	Acute dermal Irritation	141551	62719	OLD	
81-5	Acute dermal Irritation	127275	464	OLD	
82-1(a)	90-day oral toxicity in rodents	127276	464	OLD	
82-1(a)	90-Day oral toxicity in rodents	61382	464	OLD	
82-1(b)	90-day oral toxicity in nonrodents	81590	464	OLD	
82-1(b)	90-day oral toxicity in nonrodents	158258	464-563	OLD	
82-1(b)	90-day oral toxicity in nonrodents	158257	464-563	OLD	
82-2	23/28-Day dermal toxicity	41790701	62719	OLD	
83-3(b)	Parental developmental toxicity study	85434	464	OLD	
83-3(b)	Parental developmental toxicity study	85434	464	OLD	
83-3(b)	Parental developmental toxicity study	81591	464	OLD	
83-3(b)	Parental developmental toxicity study	61375	464	OLD	
83-3(a)	Parental developmental toxicity study	62812	464	OLD	
83-3(a)	Parental developmental toxicity study	127279	62719	OLD	
83-3(b)	Parental developmental toxicity study	127278	62719	OLD	
83-3(b)	Parental developmental toxicity study	41649802	62719	OLD	
83-3(b)	Parental developmental toxicity study	41649801	62719	OLD	
83-4	Reproduction and fertility effects	00028862	464	OLD	
83-4	Reproduction and fertility effects	81593	464	OLD	
83-4	Reproduction and fertility effects	28862	464	OLD	

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Indianapolis, IN 46268-1054

GF-3471

Ingredient: Acetochlor, Mesotrione, Clopyralid,

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
83-4	Reproduction and fertility effects	99796	464	OLD	
83-4	Reproduction and fertility effects	127277	464	OLD	
83-4	Reproduction and fertility effects	138155	464	OLD	
83-4	Reproduction and fertility effects	146044	464	OLD	
83-1	Chronic toxicity	81592	464	OLD	
83-1(b)	Chronic toxicity	81589	464	OLD	
83-1(b)	Chronic toxicity	61383	464	OLD	
83-1	Chronic toxicity	61377	464	OLD	
83-1	Chronic toxicity	61376	464	OLD	
83-1	Chronic toxicity	146044	464	OLD	
83-1	Chronic toxicity	157783	464	OLD	
83-1(b)	Chronic toxicity	158256	464	OLD	
83-1	Chronic toxicity	162423	464	OLD	
83-1	Chronic toxicity	162393	464	OLD	
83-1	Chronic toxicity	40265301	464	OLD	
83-2	Carcinogenicity	81592	464	OLD	
83-2	Carcinogenicity	61377	464	OLD	
83-2	Carcinogenicity	61376	464	OLD	
83-2	Carcinogenicity	162423	464	OLD	
83-2	Carcinogenicity	40265301	464	OLD	
83-5	Combined chronic toxicity/carcinogenicity	150473	464	OLD	
84-2(a)	Gene mutation in Aspergillus nidulans	73639	464	OLD	



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Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268-1054

GF-3471

Ingredient: Acetochlor, Mesotrione, Clopyralid,

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
84-2(a)	Gene mutation in Aspergillus nidulans	3639	464	OLD	
84-2	Unscheduled DNA synthesis in mammalian cells in culture	41790702	62719	OLD	
84-2(a)	Gene mutation in Aspergillus nidulans	73639	464	OLD	
84-2(b)	Mouse biochemical specific locus test	99100	62719	OLD	
84-2(b)	Mouse biochemical specific locus test	73638	62719	OLD	
84-2(b)	Mouse biochemical specific locus test	59053	62719	OLD	
84-4	Other Genotoxic Effects	41790702	62719	OLD	
84-4	Other Genotoxic Effects	156387	62719	OLD	
85-1	Metabolism and pharmacokinetics	85435	62719	OLD	
85-1	Combined chronic toxicity/carcinogenicity	61376	464	OLD	
85-1	Metabolism and pharmacokinetics	59056	62719	OLD	
85-1	Metabolism and pharmacokinetics	41790703	62719	OLD	
870.7800	Mammalian Tox - Immunology	48300001	62719	OWN	
875	Occupational and Residential Exposure	45249601	62719	OLD	
875.2100	Foliar Dislodgeable Residue Dissipation	44959505	62719	OLD	
875.2100	Foliar Dislodgeable Residue Dissipation	44959504	62719	OLD	
875.2100	Foliar Dislodgeable Residue Dissipation	44959503	62719	OLD	
875.2100	Foliar Dislodgeable Residue Dissipation	44959502	62719	OLD	
875.2100	Foliar Dislodgeable Residue Dissipation	44959501	62719	OLD	
860.0000	Residue Chemistry Testing	47604402	62719	OWN	
860.0000	Residue Chemistry Testing	47604401	62719	OWN	
860.0000	Residue Chemistry Testing	48504801	62719	OWN	



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Applicant's/Registrant's Name & Address Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268-1054	Product GF-3471

Ingredient: Acetochlor, Mesotrione, Clopyralid,

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
141-1	Honey Bbee acute contact toxicity	40151612	464	OLD	
122-1(a)	Terrestrial plant toxicity. Tier I (seeding emergence)	40081401	464	OLD	
122-1(b)	Terrestrial plant toxicity, Tier I (vegetative vigor)	40081401	464	OLD	
123-1(b)	Vegetative vigor, Tier II	40081401	464	OLD	
122-2	Aquatic plant toxicity test using Lemina spp. Tiers I and II	40081402	464	OLD	
860.0000	Magnitude of Residue	47604402	959857	PL	
860.0000	Magnitude of Residue	47604401	959857	PL	
860.0000	Magnitude of Residue	47604403	959857	PL	
860	Magnitude of Residue	48504801	959857	PL	
171-6	Proposed Tolerance	Admin	464	OLD	
860	Magnitude of Residue	45259901	959857	PL	
860	Magnitude of Residue	45390001	959857	PL	
860	Magnitude of Residue	45372802	959857	OWN	
860	Magnitude of Residue	45372801	959857	OWN	
860	Magnitude of Residue	45436903	959857	PL	
860	Magnitude of Residue	45436902	959857	PL	
860	Magnitude of Residue	45436901	959857	PL	
860	Magnitude of Residue	45419801	959857	PL	
860	Magnitude of Residue	45447001	959857	PL	
860	Magnitude of Residue	45446901	959857	PL	
860	Magnitude of Residue	45473601	959857	PL	
860	Magnitude of Residue	45447101	959857	PL	



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9330 Zionsville Road
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GF-3471

Ingredient: Acetochlor, Mesotrione, Clopyralid,

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860	Magnitude of Residue	45436903	959857	PL	
860	Magnitude of Residue	45436901	959857	PL	
860	Magnitude of Residue	45436903	959857	PL	
860	Magnitude of Residue	45436901	959857	PL	
161-3	Photodegradation on Soil	59963	62719	OLD	
161-3	Photodegradation on Soil	59961	62719	OLD	
162-1	Aerobic Soil Metabolism Study	59961	62719	OLD	
162-1	Aerobic Soil Metabolism Study	59960	62719	OLD	
162-2	Anaerobic Soil Metabolism Studh	59960	62719	OLD	
162-1	Aerobic Soil Metabolism Study	59959	62719	OLD	
161-3	Photodegradation on Soil	59649	62719	OLD	
162-1	Aerobic Soil Metabolism Study	59648	62719	OLD	
162-1	Aerobic Soil Metabolism Study	59647	62719	OLD	
162-1	Aerobic Soil Metabolism Study	59646	62719	OLD	
161-3	Photodegradation on Soil	59645	62719	OLD	
163-1	Leaching and Adsorption/Desorption	160126	464	OLD	
163-1	Leaching and Adsorption/ Desorption	40095701	464	OLD	
162-3	Anaerobic Aquatic Metabolism Study	43891405	62719	OLD	
162-1	Aerobic Soil Metabolism Study	43891404	62719	OLD	
162-3	Anaerobic Aquatic Metabolism Studh	43891404	62719	OLD	
162-1	Aerobic Soil Metabolism Study	43891403	62719	OLD	
161-3	Photodegration on Soil	43891402	62719	OLD	



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Ingredient: Acetochlor, Mesotrione, Clopyralid,

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
164-1	Soil Field Dissipation Study	56010	464	OLD	
164-1	Soil Field Dissipation Study	59032	62719	OLD	
163-1	Leaching and Adsorption/Desorption	61369	464	OLD	
163-1	Leaching and Adsorption/Desorption	59964	62719	OLD	
163-1	Leaching and Adsorption/Desorption	61369	62719	OLD	
165-1	Confined Rotational Crop	59966	62719	OLD	
163-1	Leaching and Adsorption/Desorption	59965	62719	OLD	
163-1	Leaching and Adsorption/Desorption	59962	62719	OLD	
164-1	Soil Field Dissipation Study	59032	62719	OLD	
165-1	Confined Rotational Crop	40611801	464	OLD	
164-1	Soil Field Dissipation Study	40676201	464	OLD	
165-1	Confined Rotational Crop	41971101	62719	OLD	
164-1	Soil Field Dissipation Study	42415402	62719	OLD	
164-1	Soil Field Dissipation Study	42415401	62719	OLD	
165-1	Confined Rotational Crop	42815001	62719	OLD	
164-1	Soil Field Dissipation Study	43891406	62719	OLD	
163-1	Leaching and Adsorption/Desorption	43891404	62719	OLD	
164-1	Soil Field Dissipation Study	44184701	62719	OLD	
163-1	Analytical Methods	162051	464-597	OLD	
163-1	Leaching and Adsorption/Desorption	162423	464	OLD	
161-1	Hydrolysis as a function of pH and temperature	59644	62719	OLD	
161-1	Hydrolysis as a function of pH and temperature	59643	62719	OLD	



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Ingredient: Acetochlor, Mesotrione, Clopyralid,

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
161-1	Hydrolysis as a function of pH and temperature	42805701	62719	OLD	
161-2	Direct photolysis rate in water by sunlight	59644	62719	OLD	
161-2	Direct photolysis rate in water by sunlight	59643	62719	OLD	
161-2	Direct photolysis rate in water by sunlight	43891401	62719	OLD	
171-5	Background	Admin	62719	OLD	
171-4(a)	Nature of Residue in Plants, Livestock	140134	62719	OLD	
171-4(a)	Nature of Residue in Plants, Livestock	59055	62719	OLD	
171-4(a)	Nature of Residue in Plants, Livestock	61380	62719	OLD	
171-4(a)	Nature of the residue - plants, livestock	59966	62719	OLD	
171-4(b)	Nature of Residue in Plants, Livestock	59059	62719	OLD	
171-4(b)	Nature of Residue in Plants, Livestock	59058	62719	OLD	
171-4(b)	Nature of Residue in Plants, Livestock	59057	62719	OLD	
171-4(a)	Nature of Residue in Plants, Livestock	59055	62719	OLD	
171-4(a)	Nature of Residue in Plants, Livestock	59054	62719	OLD	
171-4(b)	Nature of Residue in Plants, Livestock	139522	62719	OLD	
171-4(a)	Nature of Residue in Plants, Livestock	128465	62719	OLD	
171-4(b)	Nature of Residue - plants, livestock	41123701	464	OLD	
171-4(b)	Nature of the residue - plants, livestock	43289002	62719	OLD	
171-4(a)(2)	Nature of Residue in Plants, Livestock	44212601	62719	OLD	
171-4(d)	Residue analytical method	59042	62719	OLD	
171-4(c)	Residue analytical method	59031	62719	OLD	
171-4(c)	Residue analytical method	59031	62719	OLD	



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9330 Zionsville Road
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GF-3471

Ingredient: Acetochlor, Mesotrione, Clopyralid,

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4(d)	Residue analytical method	59042	62719	OLD	
171-4(d)	Residue analytical method	59041	62719	OLD	
171-4(d)	Residue analytical method	59040	62719	OLD	
171-4(c)	Residue analytical method	59033	62719	OLD	
171-4(d)	Residue analytical method	59042	62719	OLD	
171-4(d)	Residue analytical method	59042	62719	OLD	
171-4(c)	Residue analytical method	40463101	464	OLD	
171-4(c)	Residue analytical method	40545202	464	OLD	
171-4(c)	Residue analytical method	40545201	464	OLD	
171-4(c)	Residue analytical method	41123702	464	OLD	
171-4(c)	Residue analytical method	43305802	62719	OLD	
171-4(c)	Residue analytical method	43305801	62719	OLD	
171-4(c)	Processed food/feed	43289001	62719	OLD	
171-4(c)	Residue analytical method	43717501	62719	OLD	
171-4(c)	Residue analytical method	44203001	62719	OLD	
171-4(c)	Residue analytical method	44211202	62719	OLD	
171-4(c)	Residue analytical method	44211201	62719	OLD	
171-4(c)	Residue analytical method	44698702	62719	OLD	
860.1340	Residue analytical method	46021201	62719	OWN	
(171-4e)	Storage Stability Data	59043	62719	OLD	
(171-4e)	Storage Stability Data	44211202	62719	OLD	
171-4(e)	Storage Stability Data	44211201	62719	OLD	

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GF-3471

Ingredient: Acetochlor, Mesotrione, Clopyralid,

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1380	Storage Stability Data	44959506	62719	OLD	
171-4(e)	Storage Stability	145094	464	OLD	
171-4(e)	Storage Stability Data	44211201	62719	OLD	
171-4(j)	Meat/Milk/Poultry/Eggs	59037	62719	OLD	
171-4(j)	Meat/Milk/Poultry/Eggs	59036	62719	OLD	
171-4(j)	Meat/Milk/Poultry/Eggs	59035	62719	OLD	
171-4(j)	Meat/Milk/Poultry/Eggs	59038	62719	OLD	
171-4(j)	Meat/Milk/Poultry/Eggs	59037	62719	OLD	
171-4(j)	Meat/Milk/Poultry/Eggs	59036	62719	OLD	
171-4(j)	Meat/Milk/Poultry/Eggs	59035	62719	OLD	
171-4(j)	Meat/Milk/Poultry/Eggs	59034	62719	OLD	
171-4(k)	Crop Field Trials	59029	62719	OLD	
171-4(k)	Crop Field Trials	74218	62719	OLD	
171-4(k)	Crop Field Trials	59029	464	OLD	
171-4(k)	Crop Field Trials	59028	62719	OLD	
171-4(k)	Crop Field Trials	59027	464	OLD	
171-4(k)	Crop Field Trials	59026	464	OLD	
171-4(k)	Crop Field Trials	59025	464	OLD	
171-4(k)	Crop Field Trials	62817	464	OLD	
171-4(k)	Crop Field Trials	132986	464	OLD	
171-4(k)	Crop Field Trials	41843901	959857	OLD	
171-4(k)	Crop Field Trials	41904403	959857	OLD	



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GF-3471

Ingredient: Acetochlor, Mesotrione, Clopyralid,

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4(k)	Crop Field Trials	41904402	959857	OLD	
171-4(k)	Crop Field Trials	41904401	959857	OLD	
171-4(k)	Crop Field Trials	41922301	62719	OLD	
171-4(k)	Crop Field Trials	42044401	959857	OLD	
171-4(k)	Crop Field Trials	42277201	62719	OLD	
171-4(k)	Crop Field Trials	42277201	62719	OLD	
171-4(k)	Crop Field Trials	42277202	62719	OLD	
171-4(k)	Crop Field Trials	42277202	62719	OLD	
171-4(k)	Crop Field Trials	43305802	62719	OLD	
171-4(k)	Crop Field Trials	43305801	62719	OLD	
171-4(k)	Crop Field Trials	43577302	959857	OLD	
171-4(k)	Crop Field Trials	43577301	959857	OLD	
171-4(k)	Crop Field Trials	44015501	62719	OLD	
171-4(k)	Crop field trials	44203001	62719	OLD	
171-4(k)	Crop Field Trials	44698702	62719	OLD	
171-4(k)	Crop Field Trials	43292501	62719	OLD	
860.1500	Crop field trials	41904403	959857	OLD	
860.1500	Crop field trials	41904402	959857	OLD	
860.1500	Crop Field Trials	45036101	62719	OWN	
860.1500	Crop field trials	45259901	959857	PL	
860.1500	Crop field trials	45390001	959857	OWN	
860.1500	Crop field trials	45372801	959857	OWN	

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9330 Zionsville Road
Indianapolis, IN 46268-1054

GF-3471

Ingredient: Acetochlor, Mesotrione, Clopyralid,

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Crop field trials	45419801	959857	PL	
860.1500	Crop field trials	45436902	959857	OWN	
860.1500	Crop field trials	45436901	959857	OWN	
860.1500	Crop field trials	45436903	959857	OWN	
860.1500	Crop field trials	45446901	959857	PL	
860.1500	Crop field trials	45447101	959857	OWN	
860.1500	Crop field trials	45447101	959857	OWN	
860.1500	Crop field trials	45447001	959857	OWN	
860.1500	Crop field trials	45473601	959857	PL	
860.1500	Crop field trials	44212601	62719	OLD	
860.1500	Crop field trials	45372802	62719	OWN	
860.1500	Crop field trials	45036101	62719	OWN	
171-4(l)	Processed food/feed	41123702	464	OLD	
171-4(l)	Processed food/feed	41246001	464	OLD	
171-4(l)	Processed food/feed	41946701	62719	OLD	
171-4(l)	Processed food/feed	43289002	62719	OLD	
171-6	Proposed Tolerance	Admin	464	OLD	
171-6	Proposed Tolerance	99796	464	OLD	
171-6	Proposed Tolerance	Admin	464	OLD	
171-6	Proposed Tolerance	Admin	464	OLD	
171-6	Proposed Tolerance	Admin	464	OLD	
171-6	Proposed Tolerance	Admin	62719	OLD	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
491 N Street S.W.
Washington D.C. 20460

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DATA MATRIX

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Date: April 15, 2015		EPA Reg No./File: 62719-XXX			
Applicant's/Registrant's Name & Address Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268-1054		Product GF-3471			
Ingredient: Acetochlor, Mesotrione, Clopyralid,					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-6	Proposed Tolerance	43717501	62719	OLD	
171-6	Proposed Tolerance	Admin	62719	OLD	
171-6	Proposed Tolerance	Admin	62719	OWN	
860.1550	Proposed Tolerance	Admin	62719	OWN	
860.1550	Proposed Tolerance	Admin	959857	PL	
171-7	Reasonable grounds in support of the petition	Admin	62719	OLD	
171-7	Reasonable grounds in support of the petition	Admin	62719	OLD	
171-7	Reasonable grounds in support of the petition	Admin	62719	OLD	
171-7	Reasonable Grounds in Support of the Petition	Admin	62719	OLD	
n/a	Efficacy Data	40346508	464	OLD	
N/A	Clopyralid Penta Production Process: A Summary of Toxicity Data Including A Comparison with Clopyralid Produced By the "Test Acid" Process	40368101	464	OLD	
N/A	Exposure Measurements of Dowco 290 (3,6-Dichloropicolinic Acid) Received by Applicators During Typical Field Applications	41231601	464	OLD	
N/A	Supplemental Information for Establishment of Clopyralid Tolerances Under the Requirements of the Food Quality Protection Act of 1996	44264301	62719	OLD	
N/A	Supplemental Information for Amending Clopyralid Tolerances Under the Requirements of the Food Quality Protection Act of 1996	44698701	62719	OLD	

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DATA MATRIX

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Date: April 15, 2015

EPA Reg No./File: 62719-XXX

Applicant's/Registrant's Name & Address

Product

Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268-1054

GF-3471

Ingredient: Acetochlor, Mesotrione, Clopyralid,

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Cite-All			IR-4	PL	
Cite-All			Acetochlor Registration Partnership (ARP)	OWN	
Cite-All			Syngenta Crop Protection	PER	
Cite-All			Agricultural Reentry Task Force	OWN	
Cite-All			Endangered Species Task Force	OWN	
Cite-All			Spray Drift Task Force	PER	

Hill, Shaunta

From: Hill, Shaunta
Sent: Tuesday, May 12, 2015 9:24 AM
To: 'Williamson, Kim (KM)'
Cc: Baxter, Jim (JP)
Subject: RE: New Sec 3 GF-3471 62719-AOG

Importance: High

Hello Jim,

Thank you (Kim also) for providing the information below. Unfortunately, the inert ingredient is still unapproved. Please direct the manufacture to submit the full compositional information (including constituent names, CAS #, weight/weight composition) to the inerts team via inertsbranch@epa.gov. Your immediate attention to this request would be appreciated.

Regards,

Shaunta Hill, Ph. D.
Acting RD PRLA Ombudsman
U.S. EPA: Office of Chemical Safety and Pollution Prevention
Registration Division
1200 Pennsylvania Avenue, NW (7505P)
Washington, DC 20460

Tel: 703.347.8961 1 Fax: 703.305.6920
E-mail: hill.shaunta@epa.gov
URL Address: www.epa.gov/pesticides

From: Williamson, Kim (KM) [mailto:kmwilliamson@dow.com]
Sent: Thursday, May 07, 2015 4:48 PM
To: Hill, Shaunta
Cc: Baxter, Jim (JP)
Subject: New Sec 3 GF-3471 62719-AOG

Hi Shaunta, In reference to your phone call today to Jim Baxter, attached are the confirmations we received from EPA regarding the new Sec 3 for GF-3471. Please let us know, if you need any further information.

Thanks and regards,

Kim M. Williamson, U.S. Regulatory Assistant - Herbicides
Office: 317.753.6127 kmwilliamson@dow.com

Dow AgroSciences LLC
9330 Zionsville Road, Indianapolis, IN 46268

Jackson, Tracy

From: Jackson, Tracy
Sent: Friday, April 24, 2015 2:16 PM
To: 'jpbaxter@dow.com'
Subject: Application Reg# 62719-AOG
Attachments: Inert Status 2.doc

Dear Mr. Baxter,

I am contacting you regarding your submission in support of **GF-3471 (62719-AOG)**. There was one inert not found in the EPA database. Please see attachment.

Thank You

Tracy Jackson
EPA Contractor
703-308-7227
2777 S. Crystal Drive
Arlington, VA 22202

